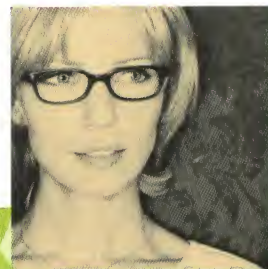


Macworld

Conference & Expo™



PROGRAM & BUYER'S GUIDE



Conferences **July 15-19, 2002**

Expo **July 17-19, 2002**

Jacob K. Javits Center **New York, NY**

www.macworldexpo.com



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Techknowsphere Inc. is New York City's premiere Macintosh™ consulting and repair shop. Unlike our competition, we are not a tech-junkyard that just repairs broken hardware. We are a solutions provider, with an experienced Apple certified staff. We will evaluate your needs and recommend solutions that will make your technology work for you. Our goal is to streamline your company and keep it running efficiently, using the best computing technology available, the Mac.

- More convenient than the others: either bring your machine to us, or we'll come to you! (sorry, on site visits are for Manhattan only)
- Warranty or not, we'll fix it. From the trivial to the catastrophic: Broken faceplate?
No problem. Spilled coffee and the machine won't turn on? We'll fix it... **Fast.**
- We have the quickest response and turnaround times in Manhattan.
- A healthy modern Macintosh should run for days without a crash. Call us, we can help.
- Are you prepared for the OS X™ revolution? **We are.**
- Need to get the design team on your NT servers? Does the accounting team need to share the Macintosh server? We have years of cross platform integration experience. (Win 2K, NT, 9x, ME, XP)
- Pre-press and design workflow support; from color correction and OPI support to monitor adjustment.
- We specialize in Airport™ networking — network your home or office without the hassle or expense of network jacks, ethernet runs or patch panels. We even have solutions for your older machines.
- Need a fast network for optimized filesharing? We'll install and configure a network that's just right for your needs.
- We take your security concerns seriously. Let us evaluate and fortify your computing environment.
- Through our partnership with Transbeam Inc. — an internet service provider with a proven track record of customer service and support — we can get you on the internet quickly...**and keep you there!**
- Authorized repair of Xerox/Tektronix and Hewlett-Packard printers.
- No "trainees" here, all of our systems engineers are Apple certified.
- Requests for information can be directed to ***info@techknowsphere.com***.



Server and
workstation setup



iMac and Home
Office support



PowerBook and
iBook repairs



Software
troubleshooting
and support

Macworld

Conference & Expo™

Dear Macintosh Enthusiast,

On behalf of IDG World Expo, it is my pleasure to welcome you to the Big Apple for another exciting Macworld Conference & Expo/New York 2002.

IDG World Expo's Macworld Conference & Expo is the ultimate experience for Macintosh professionals and enthusiasts. Nowhere else can you get such in-depth training on Mac tools and applications, have hands-on access to the latest hardware and software for the Mac, and network with tens of thousands of your peers — all in one week, under one roof.

This week, the industry's attention is turned to New York as hundreds of exhibitors showcase some of the world's most innovative technologies and unveil amazing new products. Walking the exhibit floor, you'll see first-hand the extensive scope and flexibility of the Mac in areas such as graphic design, gaming, music, digital recording, multimedia, education and much more. Here's your chance to experience the excellence of Mac technology in person.

Macworld Conference & Expo's extensive conference program offers yet another opportunity to experience Mac technology. Featuring educational sessions, in-depth workshops, hands-on labs and interactive discussions, the agenda includes sessions appropriate for beginners, hobbyists and professionals, covering a wide variety of technical and creative topics.

In response to your feedback, IDG World Expo has expanded Macworld Conference & Expo's conference program to provide even more opportunities for comprehensive, interactive education on key Mac technologies and applications. This year, attendees can experience five full days of Mac training in the Macworld conference program — the most extensive program of its kind in the world. New for New York are:

- Hands-On MacLabs, which provide focused computer training on a variety of applications and tools for the Mac, including Flash 5 ActionScript, DVD StudioPro, Mac OS X, PDF and Final Cut Pro. These half-day sessions are taught by well-respected Mac experts and are designed to maximize interaction between participants and instructors.
- Macworld/Power Tools Conferences, which provide two full days of intensive training on Professional Photoshop, FileMaker Pro, Final Cut Pro, DVD Studio Pro or AppleScript. Macworld/Power Tools Conferences sold out when they debuted in San Francisco, so we've added two more conferences for New York to help meet the demand.

Perhaps the most important aspect of Macworld Conference & Expo is the opportunity to meet and network with your peers. After all, the real star this week is YOU — the Mac community. Use this week to meet like-minded Mac users, learn from each other, and share your passion for anything and everything Mac.

Thank you once again for your continued loyalty and support for Macworld Conference & Expo. And if you are new to the show, welcome to the incredible world of the Mac. Have a great week!

Sincerely,



Rob Scheschareg
Vice President of Sales, Marketing and Product Development
IDG World Expo



The missing piece of the Mac OS X puzzle



Introducing Drive 10 version 1.1.
Optimizes and defragments your Mac OS X drives and much more.

For Apple's next-generation operating system, you'll need a next-generation disk utility. That's why Micromat has introduced Drive 10, the first and final disk utility for Mac OS X. Problems with your drive? Drive 10 can repair almost any drive problem with one simple click of your mouse. All within Mac OS X's native environment.

And with the introduction of version 1.1, you can now optimize and defragment your Mac OS X drives from within OS X. Plus, we've added a whole host of new repair routines that allows you to find and correct drives problems that other utilities would simply abandon.

Drive 10 is a world-class diagnostic and repair utility. Using time-tested routines developed exclusively for Mac OS X, Drive 10 offers many tools for checking and repairing any drive on your system. The included Drive 10 CD-ROM will boot your machine to repair hard drives that won't even appear on the desktop.

Don't entrust your Mac OS X drive to ancient and outdated utilities.



From the makers of TECHTOOL PRO

Booth #1346



Micromat Inc. 800-829-6227 707-566-3831 info@micromat.com www.micromat.com

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Keynote*

Jacob K. Javits Center Hall 3A

Wednesday, July 17, 2002 9:00 am – 10:30 am

Feature Presentation*

Jacob K. Javits Center Special Events Hall

Thursday, July 18, 2002 9:30 am – 10:30 am



Macworld/Power Tools Conferences

Monday, July 15, 2002 9:00 am – 6:00 pm

Tuesday, July 16, 2002 9:00 am – 6:00 pm



Workshops

Tuesday, July 16, 2002 10:00 am – 5:00 pm



Macworld/Pro Conference

Wednesday, July 17, 2002 12:30 pm – 5:30 pm

Thursday, July 18, 2002 11:00 am – 4:45 pm

Friday, July 19, 2002 9:00 am – 12:15 pm



Macworld/Users Conference

Wednesday, July 17, 2002 12:30 pm – 4:45 pm

Thursday, July 18, 2002 11:00 am – 5:15 pm



Hands-on MacLabs

Friday, July 19, 2002 9:00 am – 1:00 pm

MacBeginnings

Booth 173 in the Exhibit Hall

Wednesday, July 17, 2002 1:00 pm – 2:00 pm

Wednesday, July 17, 2002 3:00 pm – 4:00 pm

Thursday, July 18, 2002 11:00 am – 12:00 pm

Thursday, July 18, 2002 3:00 pm – 4:00 pm

Friday, July 19, 2002 11:00 am – 12:00 pm

Friday, July 19, 2002 1:00 pm – 2:00 pm

Exhibit Hall

Jacob K. Javits Center

Wednesday, July 17, 2002 10:30 am – 6:00 pm

Thursday, July 18, 2002 10:00 am – 6:00 pm

Friday, July 19, 2002 10:00 am – 4:00 pm

Registration Hours

Monday, July 15, 2002 8:00 am – 6:00 pm

Tuesday, July 16, 2002 8:00 am – 6:00 pm

Wednesday, July 17, 2002 7:00 am – 6:00 pm

Thursday, July 18, 2002 8:00 am – 6:00 pm

Friday, July 19, 2002 8:00 am – 3:00 pm

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* Keynote and Feature Presentation are open to Platinum Pass, Super Pass, Pro Conference, Power Tools Conference, Users Conference, Workshop and Hands-On MacLab attendees ONLY. Seating is on a first-come, first-serve basis except for Platinum and Super Pass attendees, who have access to VIP Keynote seating.

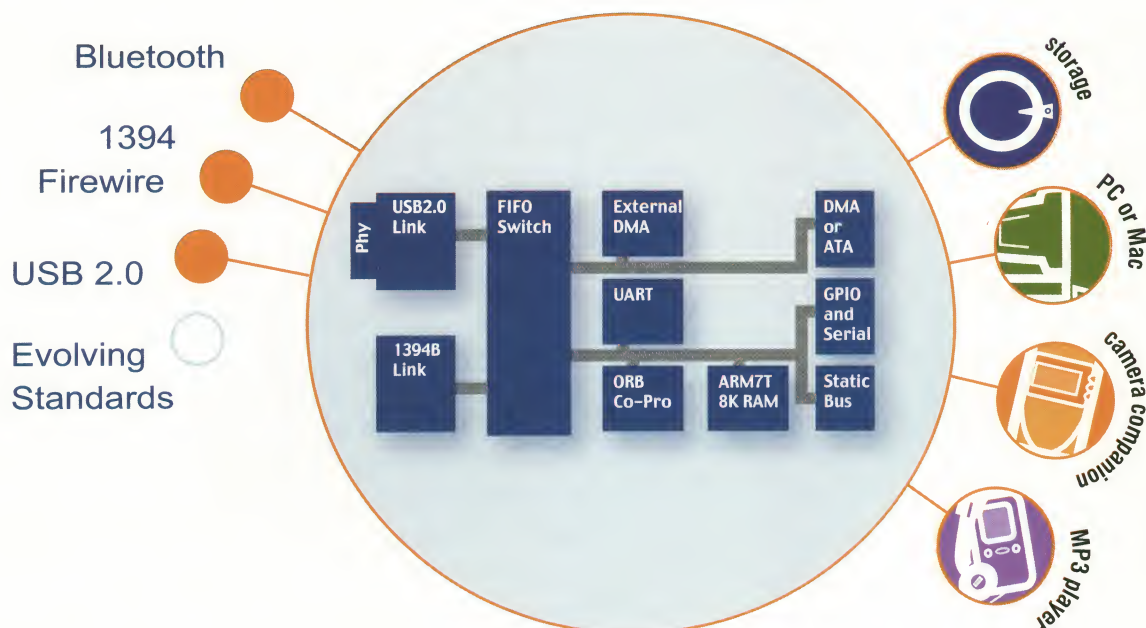


OXFW922

1394B + USB2.0 Storage



OXFORD
SEMICONDUCTOR



The Oxford 922 Combines a 800Mbps 1394B Link with a 480Mbps USB2.0 Phy Based on Oxfords FW911 - the 922 is optimized for storage applications and is the ideal choice for MAC or PC peripherals where performance is critical.

Key features

1394B 800Mbps Link Layer

USB2.0 480Mbps Phy and Link

133MHz IDE Master and Slave Interface

Embedded 32 Bit RISC ARM7TDMI

2nd Generation Firewire
Backward compatible with 1394A

PC Interoperability
Backward Compatible with USB1.1

Supports data rates of 80MB/s
ATA6 LBA Support
DMA Bypass Mode

C and C++ Support with GNU
Compiler
8kB Application RAM

Connectivity for consumer electronics

www.oxsemi.com

ATM:

ATM machines are located next to the Conierge desk in the Crystal Palace and by the Special Events Hall located on Level 1.

Business Center:

The business center is located next to the Conierge desk in the Crystal Palace.

Coat & Baggage Check:

Coat & baggage check is located on Level 2 directly above the Special Events Hall.

First Aid:

If you have a medical emergency, the first aid office is located on Level 1. Follow the first aid signs that are posted or ask a Javits Public Safety Officer for assistance. Paramedics from St. Vincent Hospital are on-site whenever a show is in progress at the Javits Center. Contact the first aid station by phone at 212-216-2488.

Food & Beverage Services:

Food & beverage services are located throughout the Jacob K. Javits Center. A food court is located on Level 1.

Sign Language Interpreters:

Sign language interpreters are available to assist conference attendees only. They are located outside meeting rooms 1A and 1E on Level 1.

Smoking Policy:

Under provisions of New York City law, smoking is prohibited inside the Jacob K. Javits Center.

Lost & Found:

If you lose any personal belongings, you may contact the Javits Public Safety office at 212-216-2344 or 212-216-2343, or stop by the show management office located on Level 2 in Room 2D01.

Macworld Conference & Expo Management Offices:

Sales Office: Room 3D06 (inside exhibit hall 3D)

Show Office: Room 2D01

Speaker Office: Room 1E07

International Badge Pick up:

Pre-registered attendees arriving from outside the U.S. can pick up their badges at the Attendee Will Call counter located in the Crystal Palace.

Media Relations

Throughout Macworld Conference & Expo, the IDG World Expo media relations team will be on-site to offer more information about the event, provide conference passes, and guide media to the hottest products on the show floor. Please stop by Media Registration or the Media Center with any questions.

Travel and Hotel Information:

Please see page 94 of this guide for a list of recommended hotels.

Show Information Hotline:

800-645-EXPO (3976)

Security Information:

The security and personal safety of all Macworld Conference & Expo attendees, conference faculty and exhibitors is a high priority for IDG World Expo. We are in constant contact with management of the Jacob K. Javits Center to ensure heightened security measures for Macworld Conference & Expo. We are also working with New York City and State officials to ensure that our attendees, conference faculty and exhibitors are provided with an appropriately alert environment.

Please be advised of these important security guidelines:

- Please carry photo identification with you at all times
- All bags are subject to search
- Please carry as few belongings as possible, as this will help keep traffic flow at security checkpoints smooth and efficient
- For your convenience, the Internet Café, located in booth 1455, is provided on-site to reduce the need to carry laptop computers
- Please allow extra time for your entry into the convention center

IDG World Expo will make every effort to ensure our security procedures cause the least possible amount of disruption without jeopardizing your safety. Thank you for your cooperation.

Media Registration

Media Registration will be held in the Crystal Palace, Level 3 of the Jacob K. Javits Center. Media that have not pre-registered can register on-site at the Media Registration counter. Pre-registered media who have not yet received their badges can also pick these up at Media Registration.

Registration Hours:

Monday, July 15, 2002	8:00 am – 6:00 pm
Tuesday, July 16, 2002	8:00 am – 6:00 pm
Wednesday, July 17, 2002	7:00 am – 6:00 pm
Thursday, July 18, 2002	8:00 am – 6:00 pm
Friday, July 19, 2002	8:00 am – 3:00 pm

What's Included With A Media Badge

Your Macworld Conference & Expo media badge allows access to the Media Center, Exhibit Floor, MacBeginnings Sessions, Keynote and Feature Presentation.

Members of the media interested in attending any of the Macworld/Users Conference sessions, Macworld/Pro Conference sessions, Macworld/Power Tools Conferences or Workshops must obtain an authorized conference pass from the Media Center attendant. Authorized conference passes will be distributed on a first-come, first-serve basis. Due to extremely limited availability, media badges do not allow access to the Hands-On MacLabs.

Media Center

The Macworld Media Center, located in Room 1E03, offers convenient support for journalists covering the show. The Media Center is equipped with Macintosh computers, as well as AirPort and ethernet connections. Standard office equipment, including telephones, fax machine and photocopier, are available to the media free of charge. The Media Center is also stocked with exhibitor media kits. Breakfast and lunch will be served in the Media Center each day of the show.

Media Center Hours:

Monday, July 15, 2002	8:00 am – 6:00 pm
Tuesday, July 16, 2002	8:00 am – 6:00 pm
Wednesday, July 17, 2002	7:00 am – 6:00 pm
Thursday, July 18, 2002	8:00 am – 6:00 pm
Friday, July 19, 2002	8:00 am – 4:00 pm

Press Conference Room

The Macworld Press Conference Room is located in Room 1E04 at the Jacob K. Javits Center. A complete schedule of exhibitor press conferences is posted outside of Room 1E04, as well as in the Macworld Media Center.



Ask yourself this question...

I use my Mac for:

- ☐ **Programming as a hobby**
- ☐ **Exploring the depths of Mac OS X**
- ☐ **QuickTime Development**
- ☐ **Application Development**
- ☐ **Network Administration**
- ☐ **All Of The Above**

...this is the answer:

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The Journal of Macintosh Technology and Development

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About IDG World Expo

IDG World Expo (www.idgworldexpo.com) produces IT-focused tradeshows, conferences and events for professionals seeking world-class education, peer-to-peer networking and one-stop comparison shopping. As the leading IT event management company, IDG World Expo leverages its experience and knowledge of IT-focused events and conferences, enabling technology companies to capture the attention and loyalty of influential buyers. IDG World Expo's portfolio of conferences and events includes Macworld Conference & Expo, LinuxWorld Conference & Expo, BioITWorld Conference & Expo and COMNET Conference & Expo. IDG World Expo is a business unit of IDG, the world's leading technology media, research and event company.



About IDG

IDG publishes more than 300 magazines and newspapers and offers online users the largest network of technology-specific sites around the world through IDG.net (www.idg.net), which comprises more than 330 targeted Web sites in 80 countries. IDG is also a leading producer of 168 computer-related events worldwide, and IDG's research company, IDC, provides global market intelligence and advice through 51 offices in 43 countries. Company information is available at www.idg.com.

Macworld Conference & Expo/New York 2002 Team

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Annette O'Reilly, Executive Assistant to the President
Rob Scheschareg, Vice President, Sales, Marketing and Product Development
Darrell Baker, Vice President, Event Services
Donna Moschella, Vice President, Finance
Danielle LaMountain, Senior Accountant

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Natalie Vercauteren, Conference Director
Kate Greene, Conference Manager
Doris Forde, Conference Coordinator

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Sarah Hindmarsh, Marketing Coordinator

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Debbie Camerato, Sales Coordinator

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Brooke Selby, Director of Public Relations
Beth Wickenhiser, Senior Public Relations Coordinator

Registration

Stephen Athan, Registration Manager

Program & Buyer's Guide Production

Atwood Publishing LLC, Overland Park, KS

Event Design and Program & Buyer's Guide Cover

Communication Via Design, Boston, MA

IDG World Expo Calendar of Events



www.comnetexpo.com

January 27 – 30, 2003
Washington Convention Center
Washington, DC



www.linuxworldexpo.com

August 12 – 15, 2002
The Moscone Center
San Francisco, CA

January 22 – 25, 2003
The Jacob K. Javits Center
New York, NY



www.bioitworldexpo.com

November 12 – 14, 2002
San Diego Convention Center
San Diego, CA

March 25 – 27, 2003
Hynes Convention Center
Boston, MA



www.macworldexpo.com

January 6 – 10, 2003
The Moscone Center
San Francisco, CA

July 14 – 18, 2003
The Jacob K. Javits Center
New York, NY

Registration Conditions

- Registration fees are non-refundable, including all cancellations, and credentials non-transferable
- Student/Educator discounts are ONLY valid via Fax/Mail and will not be accepted via online registration
- All discounts on registration fees are valid on NEW registrations ONLY and must be redeemed/noted at time of registration. No refunds or credits will be issued for a discount after the initial registration
- No Purchase Orders will be accepted
- A \$20 fee will be charged for all returned checks
- Personal checks will NOT be accepted during on-site registration
- A registered adult MUST accompany children UNDER the age of 16. Children under the age of 5 receive free admission.
- Due to safety regulations, baby strollers/carriages are NOT permitted in the Exhibit Hall
- Admission to all Conference Sessions, Keynote, and Feature Presentations are on a first-come, first-serve basis
- Recording devices are prohibited in the educational programs
- Conference and Exhibit hall packages include 8.25% New York sales tax

www.macworldexpo.com



graphic design

web authoring

photoshop tips

stock image search

fresh typefaces

product reviews



the only tool
creative professionals need.

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industry gurus

hands-on techniques

agency listings

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HOW
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MacAcademy
MacAddict

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MacTech
Mix
NAPP (National Association of
Photoshop Professionals)
OSDN
Photoshop User
RCI - Together
Version Tracker

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Show Attractions

For three days, Macworld Conference & Expo's exhibit floor will be full of excitement and energy.

The Internet Café

Booth 1455

The Internet Café is one of many resource areas Macworld Conference & Expo provides to help you make the most of your event experience.

Located in the Exhibit Hall and available to all registered attendees, the Internet Café offers a comfortable setting for checking your email, accessing the Internet, grabbing a snack or cup of coffee, chatting with your friends and colleagues, or just relaxing.

Apple Consultants Network — Free Technical Advice!

Booth 1455

One of the most popular resource areas in the Internet Café is the Apple Consultants Network counter. Apple Consultants Network is a group of independent consultants, trainers, and resellers specializing in Apple products and solutions who will offer free technical support to Macworld Conference & Expo attendees! Take advantage of this opportunity to get help directly from an expert.



Apple Consultants
Network

Sponsored by:

Macworld Conference & Expo Guided Tours

Booth 1455

Due to continuous rave reviews, the Macworld Conference & Expo Guided Tours — both individual and group tours — will be available.

Whether you are a new attendee at Macworld Conference & Expo, or a returning Mac user, Apple User Group volunteers will help you find the products, services, solutions and companies you want to see in the Exhibit Hall. These knowledgeable guides will assess your needs and escort you right to what's hot, help you find seats for floor demonstrations, and bring you to the experts who have the answers to your questions. We urge you to take advantage of this valuable free service.

Digital Art Contest & Gallery

Booth 163

The Macworld Conference & Expo Digital Art Contest and Gallery, in its fifth year, again will promote art via the Mac. By utilizing the new speeds of the Macintosh and increasingly innovative graphics software, artists are able to produce masterpieces that are getting the attention of the art world and Macworld Conference & Expo attendees.

The 2002 Digital Art contest is judged by some of the digital art community's most respected leaders who choose 30 digital masterpieces. Winning artwork will be displayed in a gallery setting in the Exhibit Hall at Macworld Conference & Expo/New York 2002. The Gallery will then travel across the country to galleries and other venues, including Macworld Conference & Expo/San Francisco 2003.

Sponsored by:



Final Cut Pro User Group Film Theater

Booth 163

Connect with members of Final Cut Pro User Groups from across the country and Canada as the Boston Final Cut Pro User Group (BOSFCPUG) hosts a program of short films and works created in Final Cut Pro. Watch compelling films contributed by the various FCP User Groups and meet with the filmmakers that created them. Special prizes from Canon USA and others will be given out to Macworld attendees during the exhibit, including the new FireStore by Focus Enhancements.

Brought to you by:



Macintosh Gaming Area

Join the top game publishers as they reveal the best new titles for Mac OS X.

Experience gaming hands-on in the Mac OS X Game Arcade, and publisher presentations showcasing the hottest new games in the Mac Gaming Theater. Both the Mac OS X Game Arcade and Theater are sponsored by Apple.

The Macintosh Gaming Area offers you the opportunity to discover why gaming on the Mac is the best it's ever been!



Northeast Macintosh User Groups

Booth 1354

The Northeast Macintosh User Group Booth will feature a rotating slate of user groups who can help you learn what their organizations, and hundreds of other groups around the globe, offer Mac users of every experience level. With the evolution of Macintosh to Mac OS X, user groups are your first, best resource for information, training, resources and fellowship on all things Macintosh. Stop by to find out how and why you should be a user group member!

User Group Lounge

Meeting Room 3D04 (on Show Floor)

The User Group Lounge is the place to get up close and personal with the people who make the Macintosh community exciting and dynamic. A diverse roster of well-known columnists, authors, magazine publishers, community leaders and Macintosh personalities meet with Mac enthusiasts in a relaxed, informal atmosphere. This is your chance to get to know the decision-makers on a first-name basis. While there, locate your local Macintosh user group and find out why you should be involved.

Conference Attendee Networking Lounge

Room 1E14

Need a place away from the crowds to rest, grab a cup of coffee, prepare for your next session or plan your tour of the exhibits? Perhaps you prefer to network with other conference attendees or check email from your laptop via AirPort? Consider the Conference Networking Lounge your home away from home — it's available exclusively to Platinum Pass, Super Pass and Macworld/Pro Conference attendees.

Publication Distribution:

Browse and pick-up your free industry publications in the Exhibit Hall between Hall 3E and Hall 3B

Macworld Conference & Expo Merchandise Store

Booth 1319

Be sure to visit the Macworld Conference & Expo Merchandise Store. Store Merchandise is also available at www.macworldexpo.com.

The Merchandise Store is managed by:



Macworld Conference & Expo Official Store

Booth 2023

Shop in the Exhibit Hall at Macworld Conference & Expo/New York or online for the latest and coolest Mac products, and benefit from DevDepot's competitive pricing.

The Official Store is managed by:



Booth 2023

MacTech Central is the premiere location for technical products relating to programming and development, Web development, network administrator tools and services, and other related products.

This exclusive area is a comprehensive location for the technical and developer community. If you're just beginning as a programmer, developing Web content, managing networks, or have been a part of the developer community for years, you'll have the opportunity to meet the experts face-to-face, explore the cutting edge of technology and learn about new products for the Mac worldwide.

MacCentral Mosaic

Booth 1850

What happens when an international group of digital artists — who have never met each other in person — decide to create individual four-inch tiles for a mosaic, with no one knowing what the others have designed?

The answer can be found at the MacCentral Mosaic booth. This amazing mosaic, composed of 35 colorful and unique 4-inch tiles will be auctioned during Macworld Conference & Expo to benefit the United Cerebral Palsy Association.

But you can do more than view the mosaic. You can help make a difference for those living with cerebral palsy. There are five autographed editions of the MacCentral Mosaic printed on canvas, available and waiting for your bid. The ultimate example of 3Made with a Mac2.

Stop by the MacCentral Mosaic booth and cast your bid. Think different. Make a difference.

Macworld Conference & Expo Credit Card

Must-have "Cardware" for Macworld Conference & Expo attendees.

We are pleased to introduce the Macworld Conference & Expo Platinum Plus MasterCard® credit card from MBNA America Bank, N.A (the world's leading independent credit card issuer). This exclusive, custom designed credit card was made especially for Mac loyalists. Every time you make a purchase with this superior credit card, you will be showing that you know where to go for the best education and training programs for Mac users. You will also have an card with great benefits for you. It features great rates, no annual fee, secure online access to your account, 24-hour Customer satisfaction, and much more.

Apply for the Macworld Conference & Expo credit card on-site or go to www.applyonlinenow.com/us/P840-A0000004VX.

Special Interest Areas

Booth 2023

Macworld Conference & Expo has a number of Special Interest Areas that feature the coolest Mac developers, all boasting products that span a wide array of needs and interests. The Special Interest Areas will showcase Mac developers displaying their products and services in the following markets:

SciTech

MacTech Central: Developer Tools and Technical Products

Enterprise, Networking and Server Solutions

Small Business Solutions

Digital Media

Education and Assistive Technologies

See page 70 for more details and exhibitor descriptions.



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Video Communications

Digital video in a digital economy

immergo develops affordable business video that increases focus, energizes sales and shortens sales cycles.
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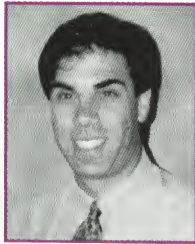
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Dear Conference Attendees,

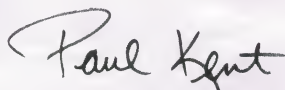


Mac OS X, iPods, Titanium PowerBooks, iBooks, DVD Authoring and Desktop Movies, the Digital Lifestyle — to say that the Mac community is amidst the greatest transformation in its history is an understatement. The most incredible, productive, creativity-inspiring tools in the computer industry are in the hands of Macintosh users. Once again, Macworld Conference & Expo is the epicenter for distributing the information you'll need to transition to and adopt these fantastic products.

More than 170 workshops and conference sessions await you this week to help you navigate the transition to the new operating system and new hardware, and to help you improve your skills with your favorite tools. Whether you are a consumer looking for ways to take advantage of the digital lifestyle integration the new Macs offer you (connecting to digital video cameras, digital still cameras, MP3 players and PDAs), or a professional who wants the latest technical information on networking your Mac, managing large installations, or creating advanced digital media, you'll find sessions to help you do more, faster at this year's conference. As Mac OS X reaches every corner of the user community, we've made sure that it reaches every corner of the conference agenda. For those of you who will be continuing on with OS 9.x (or below), we continue to offer those valuable sessions on troubleshooting and tweaking that have been a mainstay of Macworld Conference & Expo for years.

In the great tradition of Macworld Conference & Expo (18 years and going strong), I encourage you to dive into these conference sessions by absorbing the many tips and tricks, but also adding your own thoughts to the discussions. It is the collective experiences of all participants that will fuel the widespread adoption of this incredible new Mac OS.

On behalf of the entire Macworld Conference & Expo staff, welcome to New York and to the greatest tech show on earth. Have a great week of learning.

A handwritten signature in cursive script that reads "Paul Kent".

Paul Kent
Conference Chairperson
Macworld Conference & Expo

About Paul Kent

Conference Chairperson Paul Kent is a 16-year veteran of the Mac industry. In addition to developing the conference agendas for Macworld Conference & Expo, his company, Mactivity, has produced many of the technology industry's most innovative and influential conferences including the Mactivity, Mactivity/Web and Mactivity/CEO conference series, Interop Dot Com, Voice on the Net, Java Business Expo, The Internet Security Conference and QuickTime Live! When he's not designing conferences, Paul can be found playing rock and roll or ice hockey around Los Gatos, California where he lives with his wife and three daughters.



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Keynote*

Wednesday, July 17

9:00 am - 10:30 am

Hall 3A



Steve Jobs, CEO, Apple

Kick off the Exhibit Hall opening day with Steve Jobs, CEO of Apple, who will deliver another groundbreaking keynote presentation in the heart of the Big Apple. Don't miss your chance to discover what's hot, what's new and what's next for the Mac community. The opening keynote has a long-standing tradition of setting the pace for the future of the Mac platform, and this one will be no exception.

VIP Seating: Platinum and Super Pass Attendees should line up in the VIP area in the North Concourse outside of Hall 3A. Look for VIP seating signs.

Feature Presentation*

Thursday, July 18

9:30 am - 10:30 am

Special Events Hall

Toward Mac OS XX



David Pogue, Author

It's taken 17 years to go from System 1.0 to Mac OS X... from 128K of memory to 128 megs... from a 400K disks to 40 gigabytes. What will the Mac look like in another 17 years?

In this half-crazy, half-serious presentation, best-selling Mac author David Pogue takes a funny, whirlwind look back, pauses to analyze the promise and perils of Mac OS X, and then fast-forwards to 2020 to imagine what Apple-and Microsoft-might bring us on the road to Mac OS XX.

** Keynote and Feature Presentation are open to Platinum Pass, Super Pass, Pro Conference, Power Tools Conference, Users Conference, Workshop and Hands-On MacLab attendees ONLY. Seating is on a first-come, first-serve basis except for Platinum and Super Pass attendees, who have access to VIP Keynote seating.*



REF-EDUCATION

Open to ALL registered Macworld Conference & Expo attendees

To help you get even more out of your time at Macworld Conference & Expo, we've put together a lineup of educational sessions that are open to all registered Macworld Conference & Expo attendees. Industry experts will be presenting tips, techniques and perspectives on the hottest topics in their fields. Get a taste for what goes on in the Macworld conference programs by attending these sessions and get more out of your Macintosh today!

All MacBeginnings sessions take place in Booth 173 in the Exhibit Hall.

Wednesday, July 17

1:00 pm – 2:00 pm

Mac 101

*Deborah Shadovitz, Author/Trainer/Consultant
Bill Briggs, Consultant*

If you've just begun using a Mac, attending this session can help you along the road to getting the most out of it. Learn how to launch your programs easily, then how to create and file documents so you'll always be able to find them. You'll also pick up tips on how to organize your desktop and how to set your Mac up for efficient backup and data recovery.

3:00 pm – 4:00 pm

Mac 102

*Deborah Shadovitz, Author/Trainer/Consultant
Bill Briggs, Consultant*

Already comfortable launching, filing and saving files? Discover some of the more advanced tips that will put you on the road to power user. For example, you'll learn how to use AppleScript's recorder to create a "broom" that organizes your icons and sweeps your desktop clean and discover how just a few key strokes can type entire blocks of text for you.

Thursday, July 18

11:00 am – 12:00 pm

Getting Started With Mac OS X

*Scott Sheppard, Editor-in-Chief, OSXFAQ.COM
Bob LeVitus, Author/Consultant*

Whether you're brand new to a Mac or moving over from an earlier version of the Mac OS, this session will give tips to get you going with Apple's incredible new operating system — Mac OS X. You'll learn how to move around OS X, how to use the dock, organize your files and see some of the amazing customization features that are available to you.

3:00 pm – 4:00 pm

Making the Internet Safe for Your Children

Speaker TBA

As any adult knows, the path to much of the great value that the Internet can offer children is littered with landmines of questionable content. Learn what you can do to make the Internet a safe and wholesome experience for your children. You'll hear how to filter email and automatically discard spam, how to make web searches safe, rules for safe Internet chatting and how to keep adult web sites from finding their way to your screen.

Friday, July 19

11:00 am – 12:00 pm

Mac 101

*Deborah Shadovitz, Author/Trainer/Consultant
Bill Briggs, Consultant*

If you've just begun using a Mac, attending this session can help you along the road to getting the most out of it. Learn how to launch your programs easily, then how to create and file documents so you'll always be able to find them. You'll also pick up tips on how to organize your desktop and how to set your Mac up for efficient backup and data recovery.

1:00 pm – 2:00 pm

Mac 102

*Deborah Shadovitz, Author/Trainer/Consultant
Bill Briggs, Consultant*

Already comfortable launching, filing and saving files? Discover some of the more advanced tips that will put you on the road to power user. For example, you'll learn how to use AppleScript's recorder to create a "broom" that organizes your icons and sweeps your desktop clean and discover how just a few key strokes can type entire blocks of text for you.

**Please note: Topics and instructors are subject to change.*

BOFs

Open to ALL registered Macworld Conference & Expo attendees

Birds of a Feather Meetings (BOFs) are casual, informal discussions where you can meet like-minded Mac users. They are great ways to network with other people, discuss resources for doing your job, and get answers to tough questions. All registered attendees are invited to attend any of these meetings and take away even more from your week at Macworld Conference & Expo!

Wednesday, July 17

6:00 pm – 7:30 pm

AppleScript Q&A

Meeting Leader: Cal Simone

Room 1E15

AppleScript is an alternative user interface for the Macintosh. When you learned to use your Mac, you learned the basics, same as everyone else – and then moved in various directions, depending on your interest and focus. Likewise, as you grow as a scripter from beginning to intermediate and from intermediate to advanced, your interests become diverse. This meeting is an open forum to discuss YOUR AppleScript challenges and problems.

Cal Simone is an AppleScript® expert and president of Main Event Software, Inc.

SQL Databases and Mac OS X

Meeting Leader: Mark Lilback

Room 1E09

Join us for a discussion of the various SQL servers, client libraries, and SQL tools available for Mac OS X (including ODBC). Topics will include differences between the various free and commercial SQL databases, serving PHP and Perl Web pages that interact with SQL databases, and automating workflow with AppleScript and SQL.

Mark Lilback is the President of Runtime Labs, Inc.

Beyond HyperCard: Revolution

Meeting Leader: Bill Vlahos

Room 1E10

HyperCard was a revolutionary tool when it was introduced, and it has a remarkable history. But it has languished for over five years. HyperCard users looking for the right successor, a compatible, powerful, and cross-platform replacement, will be excited to discover Revolution, from Runtime Revolution. www.runrev.com

Bill Vlahos is a Network Services Engineer, Enterprise Information System, at the Jet Propulsion Laboratory. The Jet Propulsion Laboratory, managed by the California Institute of Technology, is NASA's lead center for robotic exploration of the solar system. www.jpl.nasa.gov

Thursday, July 18

6:00 pm – 7:30 pm

Mega Macintosh User Group Meeting!

Meeting Leader: Chuck Joiner

Room 1E15

Macintosh User Group leaders, members, and anyone interested in learning more about the user group experience are invited to attend this unique session. MUG enthusiasts from around the globe will gather to present information on their groups and explain why MUGs are one of the best, most essential and most fun resources for Mac users of all skill levels. MUGs provide a variety of resources to their members such as training, support, product demonstrations and much more. The session will include members of the Apple User Group Advisory Board and Apple Regional Liaison Team leading discussions on all facets of the user group experience.

Chuck Joiner serves as Chairman of the Apple User Group Advisory Board. He is also Editor-In-Chief of The MUG Center, the resource site for Macintosh User Groups, and host of The User Group Report, the series of audio interviews with people making news in the MUG community.

Join GTSI & Apple for a Government Macintosh User Meeting

Meeting Leader: Lewis Bean

Room 1E09

Macworld Conference & Expo and GTSI invite you to network with your fellow government Macintosh users. On hand will be government teams from Apple and other manufacturers. Please join us for this opportunity to make contacts and open discussions on issues specific to the government Macintosh user.

Lewis Bean is a Digital Media, Business Development Executive for GTSI. Selling Apple Computers in 1977, he was a charter member in the Apple Specialist program and participated in many of the Apple Service Executive Forums. GTSI, through their Falcon subsidiary was the first company to sell Apple computers on the GSA Schedule. GTSI offers standard and custom Apple configurations on several government contracting vehicles.

UNIX Command Line Essentials

Meeting Leader: Jonathan Bringham

Room 1E10

The merging of the Mac OS and Unix has made thousands of programs instantly available. However, most of these programs need to be compiled for your Mac. Come and meet with other Mac power users to share your tips and tricks to change those apps from tarballs into something you can use.

Jonathan Bringham is a computer hobbyist who has been using Macs since he received a IIGs when he was around 5 years old. After learning how not to use the mouse upside down, he progressed on to joining various groups that range from people reading phrack backwards for smashing ppc style stacks, to newbies who have trouble writing a bugless "Hello, world!" in C. He is currently an undergrad student in Philadelphia, PA.



Macworld/Power Tools Conferences

NEW!

Monday, July 15 – Tuesday, July 16, 2002

We're excited to introduce you to our brand new Macworld/Power Tools Conferences. By participating in one of these conferences, you will benefit from two days of intensive training on your favorite application or tool, interacting one-on-one with your peers, and tapping the minds of industry experts. Spend two-full days focusing on one of these five disciplines:

Professional Photoshop ■ Final Cut Pro ■ FileMaker Pro ■ DVD Studio Pro ■ AppleScript

These Conferences are held before the Macworld/Pro, Macworld/Users and Hands-on MacLabs conferences. To achieve the most comprehensive educational experience, we urge you to combine these programs and enjoy a full week of dynamic training on the Mac.

PA The Macworld Conference on Professional Photoshop

Photoshop is the "killer app" that changed the lives of thousands of graphics and creative professionals. Macworld Conference & Expo is pleased to present an advanced conference on Photoshop presented by a faculty of experts that will unlock this amazing tool's secrets, while inspiring you to take your projects in new directions. Attend this conference to improve your skills, broaden your digital imaging bag of tricks, and open new horizons as you spend two intensive days with Photoshop masters.

Monday, July 15

Room 1E08

9:00 am – 10:15 am	Russell's Wacky PS 7 Power Hour
10:30 am – 11:45 am	Digital Imaging Essentials
11:45 am – 12:45 pm	Lunch (River Galleria Pavillion)
12:45 pm – 2:00 pm	Layer Secrets
2:15 pm – 3:30 pm	Real World Masking & Compositing
3:45 pm – 5:00 pm	Professional Retouching Techniques

Tuesday, July 16

Room 1E08

9:00 am – 10:15 am	All About Type
10:30 am – 11:45 am	Special Effects
11:45 am – 12:45 pm	Lunch (River Galleria Pavillion)
12:45 pm – 2:00 pm	Color Management – In Plain English Please
2:15 pm – 3:30 pm	Taking It to the Web
3:45 pm – 5:00 pm	Automation: Photoshop for Lazy People

Monday, July 15

Room 1E08

9:00 am – 10:15 am

Russell's Wacky PS 7 Power Hour

Russell Preston Brown, Senior Creative Director, Adobe Systems, Inc.

Just about everyone who has seen a Russell Brown presentation walks away entertained, dazzled and inspired. Russell will kick off the Professional Photoshop Conference by taking you on a whirlwind tour of the best of Photoshop 7. Plenty of laughs, surprises, secrets, and of course, prizes to be had.

10:30 am – 11:45 am

Digital Imaging Essentials

Michael Ninness, Lead Product Manager, Microsoft Corp.

Just about every scanned image seems to have the same four problems – wrong resolution, too dark, too soft and the color is off. This session will show you how to make the most of your pixels, whether you started with a traditional scan or uploaded a file from a digital camera. You will learn how to determine the optimum resolution for scanning your images, ways to perform tonal corrections without sacrificing details, the secrets of sharpening and how to remove color casts. Whether you are going to print or the Web, you will learn how to put your best image forward.

**Please note: Session topics and speakers are subject to change. Macworld/Power Tools Conferences are in-depth technical lectures with interactive Q&A.*



12:45 pm – 2:00 pm

Layer Secrets

Michael Ninness, Lead Product Manager, Microsoft Corp.

The list of what you need to know about layers keeps growing with each new release of Photoshop – Layers, Layer Masks, Adjustment Layers, Layer Effects, Layer Sets, Layer Blending Modes, etc. Even if you are a seasoned pro, this session will expose all the tricks and keyboard shortcuts for creating, merging, selecting, moving, transforming, locking, deleting, and managing layers.

2:15 pm – 3:30 pm

Real World Masking & Compositing

Katrin Eismann, Author

Creating precise selections and accurate masks for images with translucent objects, complex subjects and fine hair can drive you to tear out your own. This session will help prevent premature baldness while teaching you the same selection and masking secrets and techniques that the pros use. With the many selection tools available in Photoshop, it can be hard to determine which one to use for a particular task. You will see advanced selection techniques to speed up silhouetting, selection and masking tasks while learning which tools are best for the job at hand.

3:45 pm – 5:00 pm

Professional Retouching Techniques

Katrin Eismann, Author

The whole point of retouching an image is to make it look convincing enough that it doesn't look retouched at all. As anyone who has used the rubber stamp tool in Photoshop can tell you, it's pretty easy to mistakenly make your image look like it was retouched with a hammer. This session will show you how to seamlessly remove blemishes, wrinkles and other imperfections from your images. Even your mother won't be able to tell!

Tuesday, July 16

Room 1E08

9:00 am – 10:15 am

All About Type

Michael Ninness, Lead Product Manager, Microsoft Corp.

Photoshop's Type tool has just about everything you could ever want. The trick is to know how to access all the hidden power. This session is all about working with the Type features in Photoshop such as on-screen text entry, the difference between point text and paragraph text, the amazing type warping capabilities, how to keep your text as vectors during output, as well as all the keyboard shortcuts for formatting and editing your text. It's just the type of session you're looking for!

10:30 am – 11:45 am

Special Effects

Michael Ninness, Lead Product Manager, Microsoft Corp.

Sometimes you actually have time to play in Photoshop but don't know where to start to make something look cool. This session answers some of those "how'd they do that?" questions. You will be walked through how to make textures, text effects, image distortions, custom layer styles and more! Discover the newest features used to create cool images – quickly, effectively, and creatively.

12:45 pm – 2:00 pm

Color Management – In Plain English Please

Michael Ninness, Lead Product Manager, Microsoft Corp.

ICC Profiles, working spaces, calibration – argh! All you want is for the image you print to look the same as the one you see on your screen. Is that so hard?! No, it doesn't have to be. This session will walk you through WHAT you need TO DO to get the color you want – and leave the mumbo jumbo trance-inducing technical talk to some other session for people who care.

2:15 pm – 3:30 pm

Taking It to the Web

Michael Ninness, Lead Product Manager, Microsoft Corp.

Learn the essential parameters of designing Web graphics that look great, load fast, and encourage return visitors. See how Photoshop and ImageReady combine to combat the evils of bloated graphics. This session will reveal the hidden optimization tools and techniques to squeeze out every extra byte. Also covered – image slicing, Layer based slices, how to create rollovers, save rollover styles and how to best integrate your Photoshop content into GoLive.

3:45 pm – 5:00 pm

Automation: Photoshop for Lazy People

Michael Ninness, Lead Product Manager, Microsoft Corp.

Any time you find yourself doing the same thing over and over again in Photoshop, you should stop and tell yourself to create an Action or a Droplet and reduce your risk of carpal tunnel syndrome. This session is all about making Photoshop and ImageReady do the work for you and is guaranteed to save you time.

Professional Publishing Conference Chairperson:



Michael Ninness, Lead Product Manager, Microsoft Corp.

Michael has spent the last eleven years as a graphic designer, instructor, author and digital graphics guru. He is a featured speaker at many national level events and author of "Photoshop Power Shortcuts" and "Photoshop 5 Web Magic."



PB The Macworld Conference on Final Cut Pro



Final Cut Pro is the video creation software that has finally delivered on the promise of the DV Revolution. With power, speed and features worthy of far more expensive software, Final Cut Pro offers a true high-end editing environment at a very down-to-earth price point. Come join Josh Mellicker and Guy Cochran from DVcreators.net, the world's top Final Cut Pro gurus, for a two-day conference that will empower you to navigate Final Cut Pro's treacherous learning curve with ease and clarity. Whether you'll be creating corporate training videos, feature films, educational videos, marketing CD-ROMs, documentaries or web video shorts, this conference will reveal a vast landscape of possibilities with this powerful video creation tool.

Monday, July 15

Room 1E10

9:00 am – 9:15 am

Opening Remarks

Lisa Brenneis, Author

Lisa Brenneis, author of the first book on Final Cut Pro and well-known denizen of the digital domain, will open this conference with remarks about Final Cut Pro's past, present and future!

9:15 am – 10:30 am

Final Cut Pro Project Overview, Process & Management

Josh Mellicker, President & CEO, and Guy Cochran, Director of Special Operations, DVcreators.net

This session will explore the entire process of creating a project with Final Cut Pro and reveal a host of tips and hints that will make the whole project go smoother, faster, and avoid problems and pitfalls. First tip: do NOT submerge your editing workstation underwater. We'll cover custom presets, EDL ins & outs, project and file management, the inimitable Media Manager, how to make your client do a lot of the work, and reveal some troubleshooting secrets that will bring your system back on line fast!

10:30 am – 12:00 pm

Editing Essentials

Josh Mellicker, President & CEO, and Guy Cochran, Director of Special Operations, DVcreators.net

Just because you've been using Final Cut Pro for years doesn't mean you won't pick up a bunch of cool tips from this session — interface orientation and shortcuts, logging and batch capturing, audio capture tricks, DV start/stop detection, storyboard editing and more.

1:00 pm - 1:45 pm

Killer Title Techniques — Art & Function

Josh Mellicker, President & CEO, and Guy Cochran, Director of Special Operations, DVcreators.net

Make your titles more dynamic using the power of Final Cut Pro's powerful built-in type generators—including the new title options from Boris. Use filters, keyframing, nesting, FXscript and multiple layers to create titles as attention-grabbing and artistic as anything you've ever seen on TV or in a movie theater!

Monday, July 15

Room 1E10

9:00 am – 9:15 am	Opening Remarks
9:15 am – 10:30 am	Final Cut Pro Project Overview, Process & Management
10:30 am – 12:00 pm	Editing Essentials
12:00 pm – 1:00 pm	Lunch (River Galleria Pavillion)
1:00 pm – 1:45 pm	Killer Title Techniques – Art & Function
1:45 pm – 2:45 pm	Transitions & Filters
3:00 pm – 4:15 pm	Keyframing, Compositing & Motion Graphics
4:15 pm – 5:30 pm	Audio Post Production

Tuesday, July 16

Room 1E10

9:00 am – 10:15 am	Advanced Editing
10:30 am – 11:45 am	Editing Aesthetics & Storytelling
11:45 am – 12:45 pm	Lunch (River Galleria Pavillion)
12:45 pm – 2:00 pm	Software Integration
2:15 pm – 3:30 pm	Hollywood Special Effects
3:45 pm – 5:00 pm	Final Mastering & Output



1:45 pm – 2:45 pm

Transitions & Filters

*Josh Mellicker, President & CEO, and
Guy Cochran, Director of Special Operations,
DVcreators.net*

The goal of great desktop movie editing is to use every transition you've got, in every project. Just kidding. We'll cover tasteful use of transitions, as well as exploring Final Cut Pro's many built-in filters for uses from color correction to special effects. Each filter has several properties, most of which can be "keyframed," or altered over time. This session will give you a solid foundation in understanding these concepts, and will prepare you for the following session.

3:00 pm – 4:15 pm

Keyframing, Compositing & Motion Graphics

*Josh Mellicker, President & CEO, and
Guy Cochran, Director of Special Operations,
DVcreators.net*

In the early 90's, a new art form called "motion graphics" was born, spawning a new aesthetic for broadcast and feature film title sequences. Layers of moving video, moving fluidly across the screen, interwoven with titles and still images, graced screens around the world. From exciting sports "bumpers" to grungy tennis shoe commercials, to warped, twisted feature titles, to elegant, classy car and bank ads. Video production would never be the same. Learn how to "get vertical" with Final Cut Pro – creating multi-layered and nested compositions that will take your future projects to a whole new level.

4:15 pm – 5:30 pm

Audio Post Production

*Josh Mellicker, President & CEO, and
Guy Cochran, Director of Special Operations,
DVcreators.net*

It's said in the motion picture business that "sound is 50% of what you see." This session brings that point home, exploring everything from applying audio filters to enhancing your project with narration, Foley, ADR and sound effects to rearranging music to fit your video – and even creating customized music sound tracks – both in Final Cut Pro and using auxiliary software.

Tuesday, July 16

Room 1E10

9:00 am – 10:15 am

Advanced Editing

*Josh Mellicker, President & CEO, and
Guy Cochran, Director of Special Operations,
DVcreators.net*

Ready to give up the mouse? This session will take you to the place Hollywood editors live, fine-tuning edits until they flow like a rippling, slipping, sliding and rolling river in the heart of the forest after the spring rains. Edit types, split edits, 3 point edits, 4, and 5 point edits, 17-point edits (just kidding on that last one), sync issues, editing shortcuts. Revealing secrets Hollywood doesn't want you to know!

10:30 am – 11:45 am

Editing Aesthetics & Storytelling

*Josh Mellicker, President & CEO, and
Guy Cochran, Director of Special Operations,
DVcreators.net*

Most newcomers to digital video (and many trainers) forget that the heart of editing is not using fancy tools or keyboard shortcuts, but being able to tell a story with moving images to elicit an emotional reaction from your audience. This session will detail the aesthetics and art of editing, a tradition that has evolved over more than a century and, though styles evolve, whose basic principles remain unchanged.

12:45 pm – 2:00 pm

Software Integration

*Josh Mellicker, President & CEO, and
Guy Cochran, Director of Special Operations,
DVcreators.net*

Final Cut Pro is the hub of your new desktop movie lifestyle. In this session, we'll explore the best ways to integrate Final Cut Pro with other software for still images, animations and special effects. We'll give you workflow advice, render and resolution settings and secret tricks for improving quality.

2:15 pm – 3:30 pm

Hollywood Special Effects

*Josh Mellicker, President & CEO, and
Guy Cochran, Director of Special Operations,
DVcreators.net*

We hope you'll rely on solid, creative storytelling to make your desktop movie special, and not sensational tricks. But if you need to, this session will teach you how to easily and convincingly do sensational tricks, along with many other special effects secrets that the big Hollywood FX houses really don't want you to know. This session will also demonstrate valuable ways to integrate stock video footage into your projects.

3:45 pm – 5:00 pm

Final Mastering & Output

*Josh Mellicker, President & CEO, and
Guy Cochran, Director of Special Operations,
DVcreators.net*

Finally, your masterpiece is finished. You're ready to pop some popcorn, but first, you must get your edit out of Final Cut Pro to the real world — remember that place? That's where you used to live before you started your project. This session will cover mastering to tape for broadcast and VHS duplication, making a QuickTime movie for CD-ROM or the Web, creating a reference movie for encoding in other software and outputting to MPEG2 for DVD authoring in DVD Studio Pro.

Final Cut Pro Conference Chairperson:



*Josh Mellicker, President & CEO,
DVcreators.net*

A veteran of the video production/multimedia industry with extensive in-the-trenches experience with national TV spots, corporate videos, interactive CD-ROMs and Web video for clients including Nike, Apple, MTV, Intel, Nordstrom, Kellogg's and many others, Josh is known as one of the top DV trainers in the world.





PC The Macworld Conference on FileMaker Pro



FileMaker Pro is the most dominant software application on the Macintosh, garnering more than 90 percent of Macintosh database sales. On the Macintosh, FileMaker is the definition of database. FileMaker is also a mature product line with a developer version, a server version, support of ODBC, JDBC, XML, Citrix and many other technologies, integration with the Web, connectivity to Palm and a developer community of nearly 10,000. Come and learn about the exciting world of FileMaker Pro with the world renowned FileMaker experts.

Monday, July 15

Room 1E09

9:00 am – 10:00 am

FileMaker Product Line Q&A

Stephen Gallagher, FileMaker, Inc.

The FileMaker product line includes FileMaker Pro, Developer, Server, Unlimited and Mobile. This session will clarify the FileMaker product line with 30 minutes of presentation and 30 minutes of Q&A.

10:15 am – 12:00 pm

Relational Database Design

Andy Lecates, System Engineer, FileMaker, Inc.

Every house needs a foundation and every database needs sound relational design. This session is offered first because it is the first thing developers should consider when designing any database solution. Relational theory, practical design techniques, ER diagramming and interesting examples will be used to teach practical relational processes.

1:00 pm – 2:30 pm

Effective FileMaker Solutions Development

Cris Ippolite, President/Founder, iSolutions, Inc.

In the excitement to create a database solution, many developers start by sitting down at their computer and programming, inevitably causing problems down the line. Savvy database designers start by turning off their computers in order to effectively plan a solution. In this session, the six D's of database development will be covered in order to provide a process framework for developing solutions: Discover, Define, Design, Develop, Deploy and Denouement.

2:45 pm – 4:15 pm

Intermediate Scripting & Calculations

John Mark Osborne, Owner & President, Database Pros; Partner Level FSA Member

After designing a solid relational foundation, scripting and calculations pull the whole solution together by providing an interface that meets the needs of the user and the job they are performing. Instead of requiring the user to understand every aspect of FileMaker, provide a custom interface via scripts and calculations that makes their job as simple as possible. This session will cover how to create a custom find script that doesn't require the user to understand the full depth of find mode. Specific subjects covered include idiot proofing, Set Error Capture, IF, Global Fields, Set Field, Status Functions and much more.

Monday, July 15

Room 1E09

9:00 am – 10:00 am	FileMaker Product Line Q&A
10:15 am – 12:00 pm	Relational Database Design
12:00 pm – 1:00 pm	Lunch (River Galleria Pavillion)
1:00 pm – 2:30 pm	Effective FileMaker Solutions Development
2:45 pm – 4:15 pm	Intermediate Scripting & Calculations
4:30 pm – 6:00 pm	The Power of Plug-ins

Tuesday, July 16

Room 1E09

9:00 am – 10:30 am	Congratulations: You've Compromised the Security of Your FileMaker Pro Database
10:45 am – 12:30 pm	FileMaker and Web Technologies
12:30 pm – 1:30 pm	Lunch (River Galleria Pavillion)
1:30 pm – 3:00 pm	Advanced Scripting & Calculations
3:15 pm – 4:45 pm	FileMaker as a Business Tool
5:00 pm – 6:00 pm	FileMaker Pro Experts Panel Q&A



4:30 pm – 6:00 pm

The Power of Plug-ins

*Vince Menanno, Owner & President,
Waves in Motion*

Every time you turn around, another plug-in is released for FileMaker. Maybe you are wondering how to incorporate these plug-ins into your solution? From charting to scheduled script initiation to text parsing, plug-ins are an integral part of FileMaker Pro. This session will demonstrate how to incorporate plug-ins into your solutions as well as show some of the most popular plug-ins in action.

Tuesday, July 16

Room 1E09

9:00 am – 10:30 am

Congratulations: You've Compromised the Security of Your FileMaker Pro Database

*Steven H. Blackwell, President & CEO,
Management Counseling Services; Partner Level
FSA Member*

Commercial, Web published, LAN and WAN database solutions are all susceptible to compromise unless they are developed with appropriate security parameters. This session will focus on how to design database solutions that enhance and protect the intellectual property that their structural contents represent, five common security errors and how to avoid them and effective use of the Developer Tool and plug-ins to enhance security.

10:45 am – 12:30 pm

FileMaker and Web Technologies

Cris Ippolite, President/Founder, iSolutions, Inc.
One of the most compelling features of FileMaker Pro is the ability to quickly and inexpensively publish databases to the Web. This session will provide a comparative analysis of Instant Web Publishing, FileMaker with Flash, Tag Driven CGI and XML. This session will help you decide the best option for sharing FileMaker databases on the Web. In addition, the hot new combination of FileMaker and UltraDev 4.0 will be explored.

1:30 pm – 3:00 pm

Advanced Scripting & Calculations

John Mark Osborne, Owner & President, Database Pros; Partner Level FSA Member

Parsing text is one of the most important calculation techniques to learn in FileMaker Pro. It can help you import data from a foreign system or add a feature to a FileMaker solution. The possibilities are endless. This session will demonstrate how to parse an email generated by a CGI. However, the techniques learned are applicable to any text parsing task. In addition, the script will be designed dynamically such that fields can be added or removed to the parsing routine without modifying the calculation.

3:15 pm – 4:45 pm

FileMaker as a Business Tool

Danny Mack, Chief Software Architect, New Millennium Communications; Partner Level FSA Member

This session will show you the techniques used by commercial FileMaker developers. What considerations are important? What about multi-user scenarios? Find out what questions to ask and what the answers to those questions are. Even if you aren't shipping your product out to the masses, this session will help you polish any FileMaker solution.

5:00 pm – 6:00 pm

FileMaker Pro Experts Panel Q&A

There never seems to be enough time during presentations for questions. Well, the Power Tools Conference will be wrapped up with a special question and answer session hosted by a panel of the most experienced FileMaker users in the industry. So, bring your questions and the experts will provide the answers.

FileMaker Pro Conference

Chairperson:



*John Mark Osborne,
Owner & President, Database Pros;
Partner Level FSA Member*

John Mark Osborne is best known for his co-authoring of the wildly popular "Scriptology" book and CD-ROM. He is also one of 20 FileMaker Partner Level FSA Members helping FileMaker, Inc. with their most important clients. In 1999, John was presented with an award from FileMaker, Inc. for developing outstanding technical resources.





PD The Macworld Conference on DVD Studio Pro



DVD Studio Pro is one of the most exciting new software applications on the Macintosh, helping to drive the DVD Revolution. On the Macintosh, DVD Authoring takes on a simplicity and ease-of-use that is rapidly gaining favor and winning converts from other platforms. Come and learn the exciting new application DVD Studio Pro with a panel of respected DVD experts.

Monday, July 15

Room 1E13

9:00 am – 10:00 am	DVD Studio Pro V1.5* Basics Q&A *subject to actual release
10:15 am – 12:00 pm	Proper DVD Design Concepts
12:00 pm – 1:00 pm	Lunch (River Galleria Pavillion)
1:00 pm – 2:30 pm	Stupid Encoding Tricks
2:45 pm – 4:30 pm	Basic Authoring and Assembly
4:45 pm – 6:00 pm	Build it and Deliver it! – DVD-R, DLT, and More!

Tuesday, July 16

Room 1E13

9:00 am – 10:30 am	Basic Scripting and Hybrid DVDs
10:45 am – 12:30 pm	Photoshop DVD Menu Survival Tactics
12:30 pm – 1:30 pm	Lunch (River Galleria Pavillion)
1:30 pm – 3:00 pm	Advanced Scripting & Web Linking DVD@ccess
3:15 pm – 4:45 pm	Advanced Menus – Motion Menus: Final Cut, After Effects
5:00 pm – 6:00 pm	DVD Studio Pro Experts Panel Q&A

Monday, July 15

Room 1E13

9:00 am – 10:00 am

DVD Studio Pro V1.5* Basics Q&A

***subject to actual release**

Bruce Nazarian, President, Gnome Digital Media
The DVD Studio Pro application is actually a suite of programs which do different things. This session will clarify DVD Authoring Workflow with 45 minutes of presentation and 15 minutes of Q&A.

10:15 am – 12:00 pm

Proper DVD Design Concepts

Bruce Nazarian, President, Gnome Digital Media
Building an effective DVD isn't particularly hard, but knowing what it CAN do and HOW to get it to do it are two different things. We'll discuss the basics of DVD navigation and interactivity, and how the pieces interlock. Tracks – Menus – Slideshows and Scripts work together to create a seamless DVD environment – here's how to plan it and get it going.

1:00 pm – 2:30 pm

Stupid Encoding Tricks

Bruce Nazarian, President, Gnome Digital Media
Well, not really stupid tricks, but instead a discussion of the basics of MPEG video, and how DVD video can be properly prepared by a number of different means. We'll discuss software encoding using the QuickTime encoder, Heuris MPEG Power Professional, Cleaner 5 and others as well as hardware encoding using Digital Media Press, Media Press Pro, and Sonic Solutions encoders. A brief discussion of video setup and maintenance will also be covered.

2:45 pm – 4:30 pm

Basic Authoring and Assembly

Daniel Berube, Owner, noisybrain. Productions; Apple Solution Expert; Founder, Boston Final Cut Pro User Group (BOSFCPUG)

Once we've got the idea of what we're going to build, and have encoded the video assets required to bring this DVD to life, it's time to begin authoring. This process is where the DVD navigation and interactivity are created, breathing interactive life into an otherwise flat set of assets – video, audio, and graphics. We'll cover simple menus, linking menus to tracks, menu buttons and what they can do, and slideshows. We'll also touch on basic scripting, but that's a lot for this session!



4:45 pm – 6:00 pm

Build it and Deliver it! – DVD-R, DLT, and More!

Erik Slavin, Producer

Once we've finished authoring the DVD, it's time to build it and deliver it to the end user – this can be via DVD-R, rapidly gaining in popularity due to the new lower cost structure, and by replicated discs, the more traditional optical disc manufacturing process. We'll also discuss the newer formats of recordable, like DVD-RW, DVD+RW and any other new DVD formats that surface before July! We'll also cover DVD Hybrid discs that combine video and ROM content, and Web-enabled discs created with DVD@ccess.

Tuesday, July 16

Room 1E13

9:00 am – 10:30 am

Basic Scripting and Hybrid DVDs

Bruce Nazarian, President, Gnome Digital Media

This session will cover scripting, the advanced form of commands.

10:45 am – 12:30 pm

Photoshop DVD Menu Survival Tactics

Bruce Nazarian, President, Gnome Digital Media

Menus are an integral part of most, if not all, DVDs, yet there are many potential pitfalls that can derail your creative efforts. This session will cover the essential concepts behind proper DVD menu creation – RGB vs. NTSC color, image dimensions, and how to export your finished DVD menu so it will look perfect in DVD!

1:30 pm – 3:00 pm

Advanced Scripting & Web Linking DVD@ccess

Bruce Nazarian, President, Gnome Digital Media

Basic scripts are fine to get you started, and a simple random play script can go a long way to make a trade show DVD effective. What do you do when you need more than that? Advanced scripting to the rescue! This session will also cover the DVD@ccess tool to create Web-linking or file-linking, both of which are very effective tools in creating hybrid training DVDs using both video and ROM data.

3:15 pm – 4:45 pm

Advanced Menus – Motion Menus: Final Cut, After Effects

Bruce Nazarian, President, Gnome Digital Media

This session will show you the techniques used by advanced DVD developers to add more bang to their menus. Motion menus can easily be created in Final Cut Pro and Adobe After Effects, and this session will show you some important techniques to easily create great looking menus that move.

5:00 pm – 6:00 pm

DVD Studio Pro Experts Panel Q&A

There will be questions, and we don't expect we will answer them all during the sessions. The DVD Power Tools Conference will wrap up with a special opportunity to put DVD questions to a distinguished panel of the most experienced DVD sources in the industry. So, bring your questions and the experts will provide the answers.

DVD Studio Pro Conference Chairperson:



*Bruce Nazarian, President,
Gnome Digital Media*

Bruce Nazarian has had two common threads running through his life – Macs and media – Starting out as a musician, he made the transition very early to Digital Musician, embracing musical sequencing before MIDI, and then taking MIDI to heart from Day One. As a certified DVD trainer on Sonic Solutions DVD and Astarte DV Director, and an Avid Certified Pro Tools instructor, Bruce gets to combine his love of the media with the computers he loves best – Macs!



PE The Macworld Conference on AppleScript

In the nine years since its inception, AppleScript has established itself as a platform differentiator for the Mac OS. Widely used by individuals, companies, and corporations to automate essential tasks and production issues, AppleScript provides unprecedented system-level accessibility to those ambitious enough to learn its intricacies. Now incorporated into nearly every corner of the Mac OS and widely supported by third party applications, AppleScript and its powerful OS X development environment, AppleScript Studio, saves Mac professionals time and money every day. Macworld Conference & Expo is pleased to present the very first conference on AppleScript to its attendees! This conference assumes intermediate to advanced experience with AppleScript.

Monday, July 15

Room 1E15

9:00 am – 10:00 am	Opening Remarks: AppleScript Technology Today and Tomorrow
10:15 am – 12:00 pm	Welcome to My World – Sal's Favorite Hacks, Tips & Tricks
12:00 pm – 1:00 pm	Lunch (River Galleria Pavillion)
1:00 pm – 2:30 pm	Introduction to AppleScript Studio
2:45 pm – 5:15 pm	Building Applications with AppleScript Studio

Tuesday, July 16

Room 1E15

9:00 am – 10:30 am	AppleScript by Design
10:45 am – 12:30 pm	Using AppleScript to Access a Relational Database
12:30 pm – 1:30 pm	Lunch (River Galleria Pavillion)
1:30 pm – 3:00 pm	AppleScript for Creative Workflows
3:15 pm – 4:45 pm	Advanced AppleScripting
5:00 pm – 6:00 pm	AppleScript Experts Panel Q&A

Monday, July 15

Room 1E15

9:00 am – 10:00 am

Opening Remarks: AppleScript Technology Today and Tomorrow

*Sal Soghoian, AppleScript Product Manager,
Worldwide Product Marketing, Apple*

We begin this Power Tools Conference with some vision and inspiration from THE AppleScript Guru, Sal Soghoian. Sal presents a retrospective on where AppleScript has been, where it is, and where it's going. The session will feature some exciting third party demos, some special guests, and will set the table for the two days of intense learning to follow.

10:15 am – 12:00 pm

Welcome to My World – Sal's Favorite Hacks, Tips & Tricks

*Sal Soghoian, AppleScript Product Manager,
Worldwide Product Marketing, Apple*

Sal digs into his bag of tricks to show you how he created his favorite scripts. You'll go inside advanced scripting techniques for controlling events over IP automating production of Web content and materials, folder actions, droplets and helper applets, interapplication communication and automating video control. It's a session full of cool things that will blow you away – broken down and explained so you can put them to work in your projects.

1:00 pm – 2:30 pm

Introduction to AppleScript Studio

*Sal Soghoian, AppleScript Product Manager,
Worldwide Product Marketing, Apple*

AppleScript Studio lets you quickly build Mac OS X applications that execute AppleScript scripts and can include complex user interfaces, complete with the Aqua interface. This session introduces AppleScript Studio, provides a basic description of its key features, and shows you how to build a simple application.

2:45 pm – 5:15 pm

Building Applications with AppleScript Studio

*Sal Soghoian, AppleScript Product Manager,
Worldwide Product Marketing, Apple*

This session provides the key information you'll need to create AppleScript Studio applications. It describes the components of AppleScript Studio, which include AppleScript, Project Builder, Interface Builder, and the Cocoa application framework. It also provides extensive tutorials for working with these components to create AppleScript Studio applications.



Tuesday, July 16

Room 1E15

9:00 am – 10:30 am

AppleScript by Design

Bill Briggs, Consultant

From quick one-off throwaway scripts to large complex scripting solutions, all scripting work benefits from a design approach. When faced with a problem for which AppleScript is going to be the solution, your first inclination may be to start coding immediately, but you'll spend less time writing code, less time fixing code, and far less time re-working and re-architecting code if you spend time up front doing some solid design work. You'll learn how to design a coding project and how to design and write the smaller modules of code that make up a larger project. The smaller modules of code segments can be stockpiled for reuse in future projects. Eventually you'll be able to assemble projects with relative ease as you stitch together already debugged code from your code archive.

10:45 am – 12:30 pm

Using AppleScript to Access a Relational Database

Malcolm Crawford, Technical Marketing Director, FrontBase, Inc.

AppleScript is a key technology in the workflow of many Mac-centric organizations. Many applications, however, have now outgrown traditional Mac database products such as FileMaker. This session shows how you can use AppleScript to access an industrial strength relational database, without the limitations of many existing data storage solutions.

1:30 pm – 3:00 pm

AppleScript for Creative Workflows

John Thorsen Jr., Founder & President, TECSoft

This session will feature an overview of how AppleScript can be used in a creative workflow environment. Demonstrations will be shown of real-world AppleScript automation solutions that automate the creation of documents for print and for the Web. Attendees will participate in the virtual scripting of an AppleScript automation solution. A variety of resources will be discussed throughout the session on how to learn more about AppleScript

3:15 pm – 4:45 pm

Advanced AppleScripting

Cal Simone, President, Main Event Software, Inc.

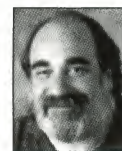
So now you've gone beyond beginning scripting, and you want to know what some of the more experienced scripters do. If you've been working with AppleScript for a while, you're in for a treat. Come and learn, understand, and discuss quirks, tricks, and techniques about AppleScript that previously haven't been covered in a Macworld Conference & Expo session, from one of the leaders of the AppleScript universe. Topics include using handlers and libraries, creating CGIs, error handling, debugging techniques, and scripting over a network.

5:00 pm – 6:00 pm

AppleScript Experts Panel Q&A

There never seems to be enough time during presentations for questions. We'll wrap up the AppleScript Power Tools Conference with a special question and answer session hosted by a panel of the most experienced AppleScript experts in the industry. So, bring your questions and the experts will provide the answers.

AppleScript Conference Chairperson:



Sal Soghoian, AppleScript Product Manager, Worldwide Product Marketing, Apple

Sal Soghoian is widely touted as "the" AppleScript Guru and driving force behind the continued expansion and acceptance of AppleScript. He began scripting in 1992, after discovering AppleScript could automate the publishing-related tasks at his service bureau. After spending years as an early "online evangelist," Sal continued to serve the AppleScript community as the AppleScript Product Manager at Apple. Throughout his tenure, AppleScript's importance, use, and integration has grown, becoming the indispensable tool for automation and communication on the Mac.



Each Workshop is scheduled from 10:00 am – 5:00 pm in the Jacob K. Javits Center.

We've expanded our workshop offerings significantly for New York! Our workshop agenda offers the best attended and best rated courses that we've presented in the past as well as several new workshops. Each workshop offers a full day of exciting learning opportunities!

Tuesday, July 16

10:00 am – 5:00 pm

WA Advanced Webmaster Applications

Dori Smith, Author/Speaker/Web Geek

Room 1A07

Now that you have Mac OS X, you're running a powerful Web serving machine. This workshop will teach you about tools that are available for free in addition to the ones you already have at your disposal. You'll learn what's available, as well as what to use, and when. This workshop assumes some knowledge of Web technologies, but will bring you up-to-date with the latest and most exciting tools and techniques.

You will learn about:

- client-side vs. server-side technologies
- scripting with Perl, Python, and PHP
- creating browser-based UIs with JavaScript and DHTML
- Java Servlets and Java Server Pages with Tomcat
- X-alphabet soup: XHTML, XML, XSL, and XSLT

WB Practical Introduction to Mac Networking

Leon J. Ablon, President, Ablon Associates

Room 1A08

A practical overview of Macintosh networking starting from ground zero. This workshop will give you the knowledge required to design and build a large or small Macintosh (or cross-platform) Network and then connect it to the Internet. This workshop is designed to provide you with the skills and knowledge to feel comfortable in the worlds of Macintosh networking and Internet connectivity.

You will learn how to:

- build the infrastructure: the wire and connectors that go in and on the walls
- bring your network to life: choosing and connecting hubs and switches
- upgrade: techniques for upgrading from "slow" Ethernet and other legacy technologies
- go wireless: adding Airport technology to your network
- provide network services: adding file, print, email and other services to your network
- provide Internet services: connecting to and protecting your home or business network from the Internet

WC How to Create, Produce, Deliver Interactive Solutions

Nick Floro, President, Sealworks, Inc.

Room 1A12

Attend this full-day workshop and learn how to get started in building interactive solutions. You will gain valuable knowledge on the latest hardware and software requirements and how interactive applications are used. We'll also address developing digital solutions for delivery via the Web, CD and DVDs, and QuickTime, as well as recent technological breakthroughs.

You will learn:

- How to get started including hardware and software requirements
- To develop and optimize content with QuickTime using QuickTime VR
- To add interactive content to the Web with Live Motion, Flash, LiveStage Professional and GoLive
- Digital video editing with Final Cut Pro
- To prepare QuickTime content for streaming
- To optimize audio & video content with Cleaner 5
- DVD authoring simplified
- Post production with Adobe After Effects
- 3D modeling and animation on the Mac
- Authoring interactive applications for the Web and CD/DVD with Director 8.5
- Tips for managing content, working with clients, and delivering the best solutions

WD Dr. Mac Presents: "How to Become a Mac OS X Power User"

Bob LeVitus, Author/Consultant

Room 1A10

Bob "Dr. Mac" LeVitus is one of the world's leading authorities on Mac OS X and the author of "Dr. Mac: The OS X Files." In this workshop, he will show you how to become proficient and comfortable with Mac OS X, teaching you tips and techniques for customizing, fine-tuning, troubleshooting, making it look even more lickable, and how to use the Web wisely. The workshop ends with demonstrations of commercial, shareware, and freeware programs that Dr. Mac thinks no Mac OS X user should be without.

You will learn:

- Tips, techniques, and advice to master Mac OS X and the Finder quickly and painlessly
- How to tweak and fine-tune Mac OS X for optimum performance
- Time-saving secrets and shortcuts so you'll do more, faster and with less effort
- Troubleshooting for common Mac OS X snafus
- About the best shareware, freeware, and commercial programs for Mac OS X

WE MultiNodes: The QuickTime VR SuperSession

Dennis Biela, Owner, Way Ahead Group

Room 1A14

Build a Multi-node movie that includes all the QuickTime elements that QTVR can manage: Cylindrical Panoramic QTVR movies, Cubic VRs, Object movies, Still images and Linear QuickTime video, interwoven with directional sound, wired sprites, maps and a Web delivery solution. You'll learn how to construct a Multinode movie that incorporates the ultimate in multi-faceted interactivity and the tools that will produce the desired effects.

Software titles involved might be The VR Worx (VR Toolbox), Stitcher (RealViz), QTVRAS & Final Cut Pro (Apple), Photoshop (Adobe), SoundsaVR, MapsaVR, NodesaVR (Squamish), LiveStage Pro (Totally Hip), and others. Hardware could include panheads by Kaidan & Peace River Studios, turntables by Kaidan & Everything 3D, cameras by Canon, Spheron, Kodak & Panoscan, and of course all computers by Apple.



WF QuickTime Professional's Workshop

Keith Hatounian, Account Executive, Media and Entertainment, Apple

Room 1A06

Explore the latest techniques to stream with QuickTime. If you have just begun or have been looking at QT streaming and don't know where to start, we will walk you through the steps to successful streaming. This workshop will take you through the key concepts of file preparation, server setup, live broadcast, server tracking and content delivery.

You will learn the following key concepts:

- File Preparation — the latest encoding techniques for preparing your files for the Web and streaming. We'll walk you through the different streaming Audio and Video CODES and how to use the latest file preparation tools
- Server Set-up — how to set up a QuickTime streaming server and the different platforms it runs on
- Live Broadcast — how to use the latest tools to stream a live broadcast with QuickTime
- Server Tracking — how to monitor and track your streaming and use the results
- Content Delivery — how content delivery networks and hardware caches fit into your streaming plan

WG Mac Efficiency and Power User Tips

Deborah Shadovitz, Author/Trainer/Consultant
Room 1A22

This workshop is designed to help novice users become proficient — and proficient users become Power Users. Attend this workshop and gain dozens of tips and tricks for maximizing your Mac computing efficiency. You'll learn how to set up a filing system, use a word processor correctly, use the Web efficiently, send and receive files via email, and how to get the most out of your Mac using Utilities. This workshop is for you if your time is valuable or you're not into frustration.

You will learn:

- How to set up files, save files and create a filing system
- How to set up your Mac to most easily launch applications
- The Mac OS abilities and some of the 3rd party additions as well
- The differences between using Mac OS 9 and Mac OS X
- How to use a word processor so you won't have to do redo documents when a change is made and have consistency between documents when desired
- How to use IIFs to return to sites and share URLs, and how to search for and save info from the Web
- The how, what and why of compression and encoding email; about the structure of a reply; how you can cc or bcc people without sending them the files too; how and why to add dot-three extensions for PCs

WH Integrating Professional Publishing Tools

Sandee Cohen, Writer/Consultant

Room 1A23

Today's software is much more than individual stand-alone applications. Designers and publishers need to learn how to integrate their software into a complete workflow for publishing, prepress, and repurposing for Web and multimedia graphics. This workshop shows how to master the use of PostScript information in fonts, page layout, illustration, and bitmapped applications. See how charts and tables from business applications can be translated into professional formats suitable for high-end printing. Discover the simple "pre-publishing" steps that can save hundreds of hours of formatting and composition.

You will learn how to:

- determine the best application for the job
- convert files from one application to another
- apply techniques for moving PostScript vectors from illustration to digital imaging
- use PDF formats as translation devices
- coordinate colors between applications
- trouble-shoot and pre-flight files for error-free printing within the "Adobe Family" of products

WI Mac OS X In Depth

John C. Welch, IT Manager, MIT Police Department
Room 1A21

This workshop takes a technical look at Mac OS X. Although many buzzwords are used to describe Mac OS X, what do they really mean, especially to the Mac OS X administrator? Learn what pre-emptive multitasking and memory protection really mean and how the UNIX foundations of OS affect the deployment decisions of the Mac administrator. Mac OS X networking and security issues will be explored in depth, along with the differences between Carbon, Cocoa and Classic.

You will learn:

- What pre-emptive multitasking and memory protection really mean
- How the Unix foundations of OS affect the deployment decisions of the Mac administrator
- Networking and security issues with Mac OS X
- Differences between Carbon, Cocoa and Classic

WJ Chris Breen's Massive Mac Brain Dump From Punk to Power User in One Day

Chris Breen, Author & Editor Mac 911, Macworld
Room 1A24

During this day-long workshop, Macworld's Mac 911 columnist, Chris Breen, will offer techniques for turning a mild-mannered Macintosh (and its owner) into a computing powerhouse. Beginning with a Macintosh configured from the factory, he will reveal the best ways to optimize the computer for Mac OS 9 and Mac OS X; organize both operating systems for ease of use and performance; configure common applications including email clients, browsers, and productivity suites; incorporate the Mac into wired and wireless networks; and upgrade the Mac to squeeze even more power out of it.

You will learn how to:

- reconfigure your Mac so it runs the way you'd like it to
- customize Mac OS 9 and Mac OS X for optimal ease of use
- effectively surf the Web, manage your email, and make your productivity applications work for you
- make your Mac talk to computers across a network or across the Web
- upgrade your Mac for peak performance



Macworld/Pro Conference At-A-Glance

Macintosh Networking & Communications

Digital Video

Professional Publishing

Mac OS X In Depth

The Mac Manager

Wednesday, July 17

11:30 am - 12:30 pm

12:30 pm - 2:00 pm

2:15 pm - 3:45 pm

4:00 pm - 5:30 pm

6:00 pm - 7:30 pm

LUNCH
in the River Galleria Pavilion

C01 Mac Networking Update
1E08

C02 Advanced QuickTime
Features
1E13

C03 ColorSync and Imaging in
OS X; An Intro
1E09

C04 An Introduction to NetInfo
1E15

C05 Mac OS X Training for
Users and Admins
1E10

C11 Network Security in
Mac OS X
1E13

C12 QuickTime Compression
Secrets
1E08

C13 Real World ColorSync, Part 1
1E09

C14 Using Unix Software with
Mac OS X
1E15

C15 Managing Mac OS X in
Higher Ed
1E10

C21 Advanced AirPort
Networking
1E13

C22 QuickTime on the Web
1E08

C23 Real World ColorSync,
Part 2
1E09

C24 Mac OS X System
Administration Concepts
1E10

C25 The Corporate Mac Survival
Guide
1E15

BOFS
Birds-of-a-Feather Meetings

Thursday, July 18

11:00 am - 12:30 pm

12:30 pm - 1:30 pm

1:30 pm - 3:00 pm

3:15 pm - 4:45 pm

6:00 pm - 7:30 pm

LUNCH
in the River Galleria Pavilion

C31 Beyond the Firewall:
Tools and Techniques for
Internet Security
1E13

C32 MPEG-4 and the State of
Streaming Media
1E08

C33 Acrobat Tips for Power Users
1E09

C34 The State of Mac OS X in
Science & High Performance
Computing
1E15

C35 Power Mac and Server
Insights from Apple
1E10

C41 Mac OS X Server: In-Depth
1E10

C42 Inside Final Cut Pro 3
1E08

C43 PDF Best Practices –
Interactive Documents for
Mass Distribution
1E15

C44 Mac OS X Programming
in Java
1E13

C45 Admin Tool Spotlight –
Getting the Most Out of
Timbuktu Pro
1E09

C51 Mac OS X Tools for the Mac
Network Manager
1E08

C52 AFI Presents: Digital
Filmmaking at the Crossroads...
A Digital Cinema Case Study
1E13

C53 DVD Now Means: Digital
Visionary Device!
1E09

C54 Server-Side Java
Development for Mac OS X
1E10

C55 Surviving a Software Audit
with Effective Software
Management
1E15

BOFS
Birds-of-a-Feather Meetings

Friday, July 19

9:00 am - 10:30 am

10:45 am - 12:15 pm

12:15 pm - 1:15 pm

LUNCH
in the River Galleria Pavilion

C61 Integrating Mac OS X into
Existing Corporate Networks
Part II: Sharing the Sandbox
1E15

C63 Preflighting: How Printers
and Publishers Can Save
Money Together
1E13

C64 Open Source on Mac OS X
1E10

C65 Mac Managers: An Evolving
Manual for the Successful Mac
Manager
1E08

C71 Network Q&A – Ask the
Experts
1E08

C72 Creating Order from Your
Digital Chaos
1E13

C73 Introduction to AppleScript
for Creative Workflows
1E10

C74 Building and Maintaining a
Macintosh Datacenter (Updated
to include XServe!)
1E09

C75 Advanced AppleScripting
1E15

**Sessions are subject to change without notice.
Please refer to the conference-at-a-glance sign
at the event for the most up-to-date schedule.*



Track Descriptions

The Macworld/Pro Conference offers content-rich technical sessions designed for the professional Macintosh user or manager. Macworld/Pro offers the best opportunity to meet industry leaders, learn from other Macintosh professionals and improve your skills. Our sessions concentrate on Macintosh networking and communications, professional publishing, digital video, Mac OS X, and best practices for the Mac manager. Select the track that best meets your needs or mix and match sessions!

Macintosh Networking & Communications Track

This track presents techniques and technologies associated with deploying Macintosh LANs, WANs, and Internet/Intranet access. These technical presentations take you inside the protocols and services you encounter when deploying connected Macintoshes. Get the most out of your network or make it state of the art — these tactical sessions will show you how.

Digital Video Track

The Mac is a mainstream tool in the digital video arena. Apple technology provides best of class tools to produce and deliver the highest quality content. Attend sessions in this track to hear from industry experts and top practitioners on how to use these tools to create quality material and delivery experiences for your customers. This track mixes practical tools advice with brilliant industry perspectives to deliver a composite picture of creating and distributing successful digital video projects.

Professional Publishing Track

Hear from industry experts how to be more profitable, efficient, competitive and employable in the creative arena. You'll gain knowledge that will help you run a leaner, meaner and more productive creative group. Workflow, color management, font management, Web publishing and more are covered in this informative track. These sessions will show you market opportunities and provide practical advice to improve your bottom line.

Mac OS X In-Depth Track

This track of advanced sessions takes you under the hood of Mac OS X — the new operating system for the Macintosh. You'll learn about Mac OS X's Unix heritage and why this is important for advanced usage and management mastery. Also covered are sessions on how popular add-on technologies like AppleScript and Java are affected by OS X. You'll hear about OS X housekeeping issues such as backup and font management. Advanced topics on the advanced operating system — Mac OS X. Only available in the Macworld/Pro Conference!

The Mac Manager Track

The Mac continues to be a platform in transition. Organizations that depend on the Mac OS are facing new software and hardware options that require a considerable amount of strategic planning to ensure successful deployment. This track features sessions that look at the needs of organizations using the Mac and present the methods, practices and technologies that are defining the role of the Macintosh manager.



Macworld/Pro Conference Sessions

All Macworld/Pro Conferences Sessions will take place in the Jacob K. Javits Center.

Wednesday, July 17

12:30 pm – 2:00 pm

Macintosh Networking & Communications Track

C01 Mac Networking Update

Thomas Weyer, Network & Communications Technology Manager, Apple

Room 1E08

This session will cover the state of networking hardware/software in Mac OS X and Mac OS X Server. Mac OS X represents a landmark product for Apple, leveraging an Open Source industrial strength Unix core and an impressive set of enterprise-class Networking and Security services. With the ability to talk to every major file server protocol on every major server platform on the market, Mac OS X is the most compatible operating system today. Come to this session to learn about the latest and greatest in Mac networking.

Digital Video Track

C02 Advanced QuickTime Applications

Rich Shupe, President, FMA

Room 1E13

This session offers information on QuickTime's current cutting-edge capabilities, ranging from an overview of features new to QuickTime 6, to an in-depth look at the creation of media skins. Using media skins, you can create your own custom viewing interface of any shape or size to display any of the media types QuickTime supports, and embed your skins in the media file itself so each viewing experience can be unique. We'll also take a look at new audio and video codecs, XML and SMIL support, and other features and support tools that help make QuickTime the growing standard for video and interactive media authoring. We'll also see demonstrations of the latest integrated Flash capabilities, and how to enhance productivity and file capabilities through the use of AppleScript. Bring yourself up to date, with this timely QuickTime session.

Professional Publishing Track

C03 ColorSync and Imaging in OS X; An Introduction

Kevin O'Connor, Publishing & Design Workflow Consulting

Room 1E09

Ever wished you could make color behave better on your Mac? Ever wondered what ColorSync is and how to use it? Good news – ColorSync is enhanced and advanced in Mac OS X, and works in the background to make your color come out the way you expect. Come see an introduction to ColorSync and Imaging in Mac OS X, and take home step-by-step instructions you can use at home to automate your color handling. Learn how to make your photos more true to life, and your documents' color more predictable.

Mac OS X In Depth Track

C04 An Introduction to NetInfo

Malcolm Crawford, Technical Marketing Director, FrontBase, Inc.

Room 1E15

NetInfo is the native directory service for Mac OS X. This means it's where you can store information about users, groups, and resources (like shared mount points, etc.). To make the most of Mac OS X in a networked environment, you need to know how to set up a multi-level NetInfo network to share this information throughout your organization. This session introduces the basic concepts of NetInfo, and shows how to set up multi-level NetInfo networks using the Mac OS X Server.

The Mac Manager Track

C05 Mac OS X Training for Users and Admins: Training Mac Managers and Their Users How to Make the Most of the Mac on Their Desks

*Duane Straub, Systems & Network Associate, Lawrence Livermore National Laboratory
Schoun P. Regan, CEO, The Mac Trainers, Inc.*

Room 1E10

This session is designed to educate Macintosh Managers on the important issues related to training users and administrators on Mac OS X in business and educational environments. Participants will learn what areas of OS X are likely to impact them the most. We'll identify the critical aspects of Mac OS X that administrators need to be proficient in, so they can train their users to utilize a new interface. Learn what to train, to whom, and what areas of training will yield maximum benefit for your organization in this fact-filled session.

Wednesday, July 17

2:15 pm – 3:45 pm

Macintosh Networking & Communications Track

C11 Network Security in Mac OS X

Paul Suh, Curriculum Developer/Trainer, Apple

Room 1E13

Proper security ensures your ability to conduct your business unhampered, and with more and more people sharing information on the Internet, it is crucial to understand how to protect your own computers and networks. Through its own built-in security features, as well as work with the open source developer community and the adoption of industry standards, Mac OS X is able to deliver the highest levels of security. Attend this session to learn how the security features of Mac OS X provide protection for your small office network or a machine connected to the Internet. This session will also highlight the enhanced security Mac OS X provides over Mac OS 9.

See page 95 to purchase Macworld/Pro and/or Macworld/Users Conference presentation CDs and Conference audio CDs.

*Please note: Sessions and speakers are subject to change.



Digital Video Track

C12 QuickTime Compression Secrets

Doug Werner, Webslinger, Apple

Room 1E08

What do you do when the shoot was fantastic and source material is clean, but the compression process is yielding less than optimal results? This session will cover what it takes to deliver the highest quality QuickTime video from standard HTTP or FTP servers and how to provide streamable versions from QuickTime streaming servers. Apple Webmaster Doug Werner, who compressed the Star Wars Episode I trailer, will show session attendees the entire process he uses to compress and post major studio movie trailers and other video/audio content with Media Cleaner Pro and QuickTime 4.

Professional Publishing Track

C13 Real World ColorSync, Part 1

Moderator: John Zimmerer, ColorSync Product Manager, Worldwide Product Marketing, Apple

Panelists: Jon Meyer, Digital Attributes

Steve Upton, President, CHROMiX

Rick Lucas, Digital Attributes, Chromaticity, Lucas Imaging Assoc.

Room 1E09

Come see a full workflow using ColorSync, Apple's industry-standard tool for managing color across input, display, and output devices. You'll see originals scanned and shot with a digital camera, see the digital files match on screen and in a light box, then proof the output for commercial printing. We'll take you through the profiling process, setting application preferences, and handling color questions like: How do I handle an RGB image that has a different ICC profile embedded than I use in my workflow? How do I handle CMYK files without an embedded profile? Should I embed a profile into CMYK images? How do I proof to my in-house printer and simulate another device? How should I separate files when I don't know the final output device? Several leading color management experts will participate in this session. It's a must attend event!

Mac OS X In Depth Track

C14 Using Unix Software with Mac OS X

Leonard Rosenthol, Chief Technology Officer, PDF Sages

Room 1E15

With Mac OS X having a Unix foundation, there is the opportunity to run many of the free products available from the Internet, but are they really just "ready to go?" Come to this session to learn about what kinds of things are out there, what runs and what doesn't and what you may have to do if you're really set on using a particular tool.

The Mac Manager Track

C15 Managing Mac OS X in Higher Ed

John C. Welch, IT Manager, MIT Police Department

Ginny Williams, MIT IS

Al Willis, MIT IS

Room 1E10

A Mac manager who works at a college or university has a challenging job, keeping three diverse groups of users happy: students, faculty/staff and support providers. Students push the limits of Mac OS X, faculty members need to use Unix applications for some of their work, staff members need to use tried and true Mac applications such as Office and FileMaker. Administrative users need to use enterprise systems from Oracle, SAP and PeopleSoft. Support providers need to help users get up to speed with Mac OS X, while creating documentation. Add to the mix heightened privacy concerns that can often preclude the use of traditional IT methodologies. From a Mac manager's point of view, we'll examine what's important to these groups and what you'll need to deliver to them to keep them happy: Unix apps for faculty and students, a smooth transition for staff using enterprise and off the shelf applications and a plan for getting support providers ready to handle all of this, all while keeping people's data private.

Wednesday, July 17

4:00 pm – 5:30 pm

Macintosh Networking & Communications Track

C21 Advanced AirPort Networking

Bill Vlahos, Network Services Engineer, Enterprise Information System, Jet Propulsion Laboratory

Room 1E13

This session takes you beyond the basics of installing and configuring an AirPort wireless network. Learn how to access and configure AirPort's advanced features like security, closed networks, RADIUS (and other) authentication, NAT and DHCP service, designing networks with multiple base stations and integrating wireless into both small and large enterprises. We'll also discuss new wireless standards and how you can plan for the future. A must-attend session for anyone deploying multiple AirPorts or depending on their AirPort as a vital component of their network.

Digital Video Track

C22 QuickTime on the Web

Nick Floro, President, Sealworks, Inc.

Room 1E08

A comprehensive tour of QuickTime 5 technology including media types that QuickTime can contain, a tour of QuickTime Player authoring features, how to access advanced QuickTime features such as effects, interactivity and sound synthesizers, and how QuickTime is being used in music, video, and the Internet. You'll learn about hardware and software requirements, developing and optimizing content with QuickTime, immersive imaging with QuickTime VR, preparing QuickTime content for streaming and optimizing audio & video content with Cleaner 5.

Professional Publishing Track

C23 Real World ColorSync, Part 2

Moderator: John Zimmerer, ColorSync Product Manager, Worldwide Product Marketing, Apple

Panelists: Jon Meyer, Digital Attributes

Steve Upton, President, CHROMiX

Rick Lucas, Digital Attributes, Chromaticity, Lucas Imaging Assoc.

Room 1E09

This session builds on Real World ColorSync, Part 1, to further address ColorSync questions and capabilities in real life workflows. We will diagram different workflows, including digital photography, prepress and printing. We will also cover how ColorSync workflows change when moving to Mac OS X. Yes, it gets easier! There will be lots of time for Q&A, where you'll have access to some of the leading consultants in the field. The Q&A will be moderated by John Zimmerer, Apple's ColorSync Product Manager. Bring your questions to "stump the experts."

Mac OS X In Depth Track

C24 Mac OS X System Administration Concepts

James Dempsey, Mac OS X Curriculum Manager, Apple Technical Training

Room 1E10

Join Apple Technical Trainer James Dempsey for a look at some fundamental Mac OS X system administration topics. Gain a better conceptual model of what is going on behind the user interface – which can aid in troubleshooting and optimizing. This session is geared towards users of Mac OS X who are comfortable with the occasional trip to the command line.



The Mac Manager Track

C25 The Corporate Mac Survival Guide

Chuck La Tournous, Publisher/Columnist, RandomMaccess.com/CorporateMac.com

Room 1E15

Is your workgroup a Macintosh island in a sea of PCs? Are you tired of being an "unsupported platform?" Does your technology department refuse to buy you mousepads because "we don't support Macs?" Congratulations, you're a Corporate Mac! In this session, we'll teach you "everything your IT department doesn't know-or won't tell you." You'll become self-sufficient on your PC LAN without having to become a network engineer. We'll give you practical advice on surviving in the enterprise and flying under the radar of Mac-hunting, Mac-hating support people.

Learn how to get Lotus Notes and Microsoft Outlook set up and working well (you really don't need a PC on your desk to get email!); get connected to your corporate LAN without help from the network administrators (who needs Services for Macintosh, anyway?); learn the two questions you can ask your LAN department that will make your Macs happy on their network (and how to work around it if they say no); make your Macs act like good corporate citizens with enterprise-standard software and a few simple techniques; find out how to deal with things like "automatic proxy configuration" for your Web browser (don't look for it in Internet Explorer for Macintosh—it isn't there); open any file your PC workers throw at you—and make sure they can open everything you toss back; and how to get along with IT people who see your Mac as a toy—or worse—a threat to their jobs.

Thursday, July 18

11:00 am – 12:30 pm

Macintosh Networking & Communications Track

C31 Beyond the Firewall: Tools & Techniques for Internet Security

Doug Nomura, Private Consultant, Ories Scientific
Dr. Steven M. Erde, Director, Office of Academic Computing, Cornell University Medical College
Scott McCulley, VP, Managing Director, Technology Operations, The Interpublic Group of Companies

Room 1E13

Every day networks are being attacked and broken into by hackers. Do you feel secure because you have a firewall protecting your network? This session will illustrate through a discussion of various OS X based security tools that Internet security is more than just a firewall. A combination of tools and techniques for intrusion detection, vulnerability analysis, network access and more will be discussed to demonstrate a comprehensive Internet security solution.

Digital Video Track

C32 MPEG-4 and the State of Streaming Media

Moderator: Shawn King, Founder & Host, Your Mac Life

Panelists: Frank Casanova, Director of QuickTime Marketing, Apple

Jon Alper, Director of Technology, R&D, WGBH Interactive

Room 1E08

This panel will examine the state of streaming media technology and directions that the industry is taking. We'll discuss the current state of the MPEG-4 license controversy, the status of standards and proprietary architectures, the emergence of the 3G market and the tools that streaming media professionals are evaluating today. Attendees can expect a lively discussion that will provide them interesting perspectives and vital information for planning their streaming media strategies for the near future.

Professional Publishing Track

C33 Acrobat Tips for Power Users

Hal Hinderliter, Hinderliter Consulting & Creative Services

Room 1E09

If you'd like to know more about the Acrobat's newest features, essential plug-ins for enhancing your productivity, or how PDF-X, XML and Javascript are being exploited by PDF Power Users, this session is for you! Spend 90 minutes with this long-time Macworld Conference & Expo instructor and you'll learn the little-known secrets that can raise your Acrobat expertise to an entirely new level... Whether you're using Mac OS X or Mac OS 9, making PDFs for print or for the Web, building a digital archive or capturing data online, there's lots to enjoy in this fast-paced information-packed session.

Mac OS X in Depth Track

C34 The State of Mac OS X in Science & High Performance Computing

Ann Cantrell, Senior Marketing Manager, Science & Technology Markets, Apple
Jason Klivington, Senior Software Engineer, Advanced Computation Group, Apple

Room 1E15

This session will bring you up-to-date on the state of the art Mac OS X as a UNIX and High Performance Computing (HPC) OS for science. We'll cover AltiVec/Velocity Engine resources, optimization techniques, and demos including a discussion of VE enhanced science software. Next, we'll cover the current state of Apple hardware and software in support of HPC, cluster and distributed processing products for Mac OS X from 3rd party developers and the latest on compilers and development tools. Live demos of these products will be provided. Finally, we'll bring you up to date on the wealth of bioscience software coming to Mac OS X, including live demonstrations. When this session is over, you will have a good understanding of the following: resources available to exploit the Velocity Engine in the PowerPC processor; Apple Power Mac & Mac OS X HPC resources, plus all the various cluster and distributed processing products shipping for Mac OS X (and see some in action!); and the scope of the available bioscience/genome research software.

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The Mac Manager Track

C35 Power Mac and Server Insights from Apple

Todd Benjamin, Power Mac Product Manager, Apple
Doug Brooks, Product Manager, Server
Hardware, Apple

Room 1E10

Attend this session to learn the latest on how to maximize the power and performance of Apple's Power Mac desktop and server hardware. Apple product managers will include a discussion of high performance architecture, tips on how to get the most out of your hardware investment, and insight into how to integrate Apple's pro desktops and servers. Mac OS X, as it relates to these topics, will also be covered. This session is intended for high-level Mac users in need of a deeper understanding of the features and benefits of Apple pro desktops and servers in order to make strategic planning decisions for their organizations.

Thursday, July 18

1:30 pm – 3:00 pm

Macintosh Networking & Communications Track

C41 Mac OS X Server: In-Depth

Schoun P. Regan, CEO, The Mac Trainers, Inc.
Kevin M. White, OS X Training Specialist, The Mac Trainers

Room 1E10

This session is for anyone who may be contemplating or already using OS X Server. An improvement over its relatives-AppleShareIP and the older Mac OS X Server, this latest version contains new tools and options users must master. Capabilities such as Net Boot, managing users and groups, serving files and Web pages, audio and video streaming, and DHCP among others make this software very powerful indeed. Participants in this session will learn how to properly manage these tools in OS X Server, allowing them to better control and administer their network of Macs.

Digital Video Track

C42 Inside Final Cut Pro 3

Guy Cochran, Director of Special Operations, DVcreators.net

Room 1E08

Apple's Final Cut Pro continues to raise the bar for cost effective, professional nonlinear video editing tools. This session takes an in-depth look at the features of the latest release of Final Cut Pro and provides helpful hints and tips for putting it to work. Learn about color correction, offline editing and working with real-time effects and audio to help make your editing tasks more productive and time-efficient. A must attend for any Final Cut Pro user!

Professional Publishing Track

C43 PDF Best Practices – Interactive Documents for Mass Distribution

Leonard Rosenthal, Chief Technology Officer, PDF Sages

Room 1E15

Add life to your documents! In this session you will learn how to take a simple piece of "electronic paper" and turn it into an interactive document that you can be proud to distribute. We'll look at how to add such elements both at the authoring stage as well as at the end of the process, using a variety of tools.

Mac OS X In Depth Track

C44 Mac OS X Programming in Java

Daniel H. Steinberg, Director of Java Offerings, Dim Sum Thinking, Inc.

Room 1E13

Using Mac OS X applications is great but it's only part of the experience. If you'd like to write your own Mac OS X application without having to learn about the Cocoa and Carbon APIs, then Java is for you. With the Java Virtual Machine included in every version of Mac OS X, you have the perfect environment for playing around with writing programs for your Mac. In this session, you'll look at the free tools available for you to develop Mac OS X applications in the Java programming language. You'll see how to write a quick visual program and how to package it up to distribute a double clickable application. You'll be provided with links to resources for more information.

The Mac Manager Track

C45 Admin Tool Spotlight – Getting the Most Out of Timbuktu Pro

Marc LaFountain, Head of Macintosh Technical Services, Capital One

Room 1E09

Most admins find Timbuktu Pro to be a useful part of their admin toolbox. But, are you using it to its fullest potential? Come to this session to learn about how to best configure Timbuktu, how to make site keys, how to customize the TCP/IP Scanner to find machines on your networks efficiently, how to use the IP Locator service to find machines anywhere, and more. We'll compare and contrast Timbuktu with Apple Remote Desktop. We'll take you through live demonstrations of Timbuktu Pro's advanced features including: preference configuration; creating and updating site keys; TCP/IP scanner customization; using the IP Locator service; using Timbuktu for file transfers; using Timbuktu for chat; and more. You'll walk out of this session with greatly enhanced capabilities at your disposal!

Thursday, July 18

3:15 pm – 4:45 pm

Macintosh Networking & Communications Track

C51 Mac OS X Tools for the Mac Network Manager

John C. Welch, IT Manager, MIT Police Department

Room 1E08

Mac OS X and Mac OS X Server give network administrators a far bigger tool set for running their networks. This session will cover that tool set, including both Apple and third party tools to help you run your network. Everything from AppleScript to SNMP tools to configuration management tools will be demonstrated in this session. The primary focus of this session will be managing heterogeneous networks and reflecting modern network realities.



Digital Video Track

C52 AFI Presents: Digital Filmmaking at the Crossroads...A Digital Cinema Case Study

Moderator: Nick DeMartino, Director, New Media Ventures, American Film Institute

Panelists: Gary Winick, Co-founder, Independent Digital Entertainment (InDigEnt)

Alexis Alexanian, Independent Producer

Jake Abraham, Director of Post-production, Independent Digital Entertainment (InDigEnt)

Room 1E13

Ever since QuickTime was released in 1992, filmmakers and desktop video production vendors have collaborated to revolutionize the creation of motion pictures, television, and related media. In less than a decade, the revolution is here. Major motion pictures have been edited on desktop Macs for many years. Those systems are getting smaller, cheaper, and easier to use. Effects, motion graphics, and 3-D are now routinely assigned to boutique shops using the Mac with powerful applications. Now, with faster G4's, Firewire, and a new generation of cameras, the world's filmmakers are able to go from the desktop to the theatre screen with unparalleled simplicity, power, and impact. Join the American Film Institute in exploring these trends by examining a case study from pioneering NY-based InDigEnt (Independent Digital Entertainment) www.indigent.net.

Professional Publishing Track

C53 DVD Now Means: Digital Visionary Device!

Bruce Nazarian, President, Gnome Digital Media
Room 1E09

Stand back! Apple has blown the doors off of the Digital Video Revolution with DVD Studio Pro and this session will show it to you in action! We'll make a DVD project while you watch! This session will show off all that DVD Studio Pro has to offer, including the seamless integration with Final Cut Pro (for creating your content), and QuickTime (for converting your content to MPEG2 form for DVD!). You'll be amazed at how easy it can be to supercharge your video content with the powerful digital delivery that DVD provides. Best of all, DVD Studio Pro makes compliant DVD discs that almost everybody can view on their set-top DVD player! No more special drives required.

Mac OS X In Depth Track

C54 Server-Side Java Development for Mac OS X

Bob Fraser, WebObjects Product Manager, Apple
Room 1E10

If you are developing or deploying server-based Java applications, Mac OS X offers a wide range of tools and technologies to help you succeed. This is the place to learn how Apple and third-party vendors are making Mac OS X the dream platform for Java developers creating scalable, multi-tier applications. We'll survey how Apple's WebObjects, Project Builder, and Mac OS X Server can help you develop and deploy sophisticated applications using JSP, Servlets, or J2EE technology, and we'll cover the many third-party Java vendors who are working with Mac OS X.

The Mac Manager Track

C55 Surviving a Software Audit with Effective Software Management

John Tomeny, Director of Marketing & Customer Service, Sassafras Software, Inc.

Room 1E15

Learn what to do to survive a software audit from the BSA or SIIA. Includes a discussion of common software management practices and practical tips for managing day to day access for thousands of users. The speaker will draw on ten years of study of effective practices and industry examples. Participants will learn what they must do to survive a BSA or SIIA software audit, how to effectively manage software usage, prevent piracy, and reduce their overall software budget.

Friday, July 19

9:00 am – 10:30 am

Macintosh Networking & Communications Track

C61 Integrating Mac OS X into Existing Corporate Network: Sharing the Sandbox

Mark Jeffries, Senior Systems Specialist, Genentech, Inc.

Gavin Cook, Technologist, Genentech, Inc.

Room 1E15

It was one year ago that we began taking the steps to migrate an enterprise-level user base to Mac OS X. A lot has happened in that time, from Mac OS X 10.1.x to native apps and more. So, where are we with our integration now? Join us as we continue our real-life example of making Mac OS X work in a large heterogeneous computing environment. You'll learn when to make the hardware refresh jump, as well as when you should pull the plug on AppleTalk subnet routing. You'll receive valuable tips on what works and what doesn't, and not have to take a crash course at Hard Knocks University.

Professional Publishing Track

C63 Preflighting: How Printers and Publishers Can Save Money Together

Joe Schorr, Senior Product Manager, Extensis
Room 1E13

Most files delivered to service bureaus and printers for professional output arrive with problems – problems that cost money to fix. Automated preflighting tools can catch those problems as early as possible – saving time and money for both document creators and output service providers. This technology has gone through a revolution over the last three years and preflighting can even be done online through a standard Web browser. This session examines options for implementing a preflighting solution that makes sense for your company. This session will cover the following: the top problems that cause output problems – and how to fix them, the fastest and easiest way to preflight files, an overview of desktop and online solutions, and examples of how printers and publishers are reducing costs by sharing responsibility for file quality.

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Mac OS X In Depth Track

C64 Open Source on Mac OS X

Ernest Prabhakar, Product Line Manager, Development Platforms, Apple

Room 1E10

With Mac OS X, the whole world of Open Source software has come to the Mac. This session is designed to help you discover all the cool UNIX-based software already built-in to Mac OS X; where to find additional Open Source software for Mac OS X; what Apple's doing to encourage Open Source development; how to bring your favorite Open Source tool to Mac OS X; and how Aqua applications and command-line utilities co-exist on Mac OS X. This session will offer useful information for Open Source developers who've joined the Mac platform as well as Macintosh "power users" interested in Open Source.

The Mac Manager Track

C65 Mac Managers: An Evolving Manual for the Successful Mac Manager

Moderator: Ron Marx, Principal, ronMarx Information Design

Room 1E08

This business-oriented, non-technical session engages panel and audience members on issues common to Mac managers. You'll experience an executive-level discussion on the issue of dropping Macs in favor of a single platform IT operation. You'll participate in conversations with panel members on strategies for winning arguments with PC colleagues, how to respond to Mac myths, and how to find the "bottom line" in the Mac vs. PC argument at your workplace. Whether you are a veteran or newcomer, this session will give you detailed yet concise ways to perfect the art and science of the effective, successful Macintosh systems manager. This session assumes technical knowledge but is mostly non-technical in content. We'll cover the fundamentals for running an IS operation, tips for effective staff management, how to promote the IS department within the company, and best practices for career growth.

Friday, July 19

10:45 am – 12:15 pm

Macintosh Networking & Communications Track

C71 Network Q&A – Ask the Experts

*Richard V. Ford, Product Manager, Packeteer, Inc.
Thomas Weyer, Network & Communications Technology Manager, Apple*

Room 1E08

We purposely put this session at the end of the agenda – your last chance at Macworld Conference & Expo/New York 2002 to catch up with our networking and communications faculty and get answers to your most pressing questions. After days of workshops and conference sessions you still have issues to be addressed – and we're here to help! We'll have experts on Windows integration, wireless networking, network design, server management and more available to take your toughest questions and send you home with answers!

Digital Video Track

C72 Creating Order from Your Digital Chaos

Joe Schorr, Senior Product Manager, Extensis

Room 1E13

We've all heard the horror stories: One publishing company bought the same stock photo image three times – because no one could remember where the master file was archived or how the image had been used in the past. At another firm, a reprint job had to be painstakingly recreated from scratch because it simply would have taken too long to find the long-lost original files. The much-touted solution to these problems is digital asset management (DAM), a software-based system for categorizing, organizing, finding and retrieving the various digital files that make up the jobs you handle every day. This session will cover the specific problems a DAM solution can solve, the five most important things to look for in an asset management solution, how to implement a solution as painlessly as possible, and an overview of various software solutions currently available.

Professional Publishing Track

C73 Introduction to AppleScript for Creative Workflows

John Thorsen Jr., President, TECSoft

Room 1E10

This session will feature an overview of how AppleScript can be used in a creative workflow environment. Demonstrations will be shown of real-world AppleScript automation solutions that automate the creation of documents for print and for the Web. Attendees will participate in the virtual scripting of an AppleScript automation solution. A variety of resources will be discussed throughout the session on how to learn more about AppleScript.

Mac OS X In Depth Track

C74 Building and Maintaining a Macintosh Datacenter (Updated to include XServe!)

Chuck Goolsbee, VP of Technical Operations, digital.forest, Inc.

Room 1E09

Whether you manage one server or one hundred you will learn from this session. Learn how to 'sell' the datacenter concept to your organization. How to build the datacenter both to be effective and economical. How to plan for growth. Mac-specific issues will also be addressed — like rack mounting options for hardware that isn't designed for rack mounting, wiring tips, monitoring software and unique power issues. A datacenter environment is critical to the health of server operations, no matter the size of the organization — attend this session to learn tips from the trenches to help you create a successful one.

The Mac Manager Track

C75 Advanced AppleScripting

Cal Simone, President, Main Event Software, Inc.

Room 1E15

So now you've gone beyond beginning scripting, and you want to know what some of the more experienced scripters do. If you've been working with AppleScript for a while, you're in for a treat. Come and learn, understand, and discuss quirks, tricks, and techniques about AppleScript that previously haven't been covered in a Macworld Conference & Expo session, from one of the leaders of the AppleScript universe. Topics may include using handlers and libraries, creating CGIs, error handling, debugging techniques, and scripting over a network.



Macworld/Users Conference At-A-Glance

Wednesday, July 17

12:30 pm – 1:45 pm

		Room
S01	Making the Transition to Mac OS X	1A10
S02	The Beginner's Guide to Music on the Mac	1A08
S03	Science Education	1A07
S04	Living the Digital Lifestyle with iMac	1A12
S05	Your New iMac — Inside and Out	1A23
S06	Photoshop Digital Creation: Uncanny Realism	1A21
S07	Inside AppleScript Studio	1A14
S08	Learning to Use a DV Camera	1A06
S09	Getting Started with iPhoto	1A24

2:00 pm – 3:15 pm

S11	Using the Classic Environment in Mac OS X	1A06
S12	Mac OS X for Musicians	1A08
S13	Transitioning to Mac OS X in Higher Education	1A07
S14	The Digital Archiving of Family History, Part 1 Planning Your Project: Ideas and Examples	1A12
S15	Marketing with Mac OS X for Consultants	1A24
S16	Dynamic Messages/Narrow Pipe	1A23
S17	A Voyage with Darwin	1A21
S18	Making iMovies with David Pogue	1A10
S19	From 0 to 360 Degrees in QuickTime VR	1A14

3:30 pm – 4:45 pm

S21	Mac OS X Web Server Administration Using 3rd Party Tools	1A07
S22	The Macintosh Musical Instrument	1A08
S23	How to Talk to Tech Support (and Win!)	1A14
S24	The Digital Archiving of Family History, Part 2 Designing Your Project: Techniques, Procedures & Resources	1A12
S25	Mac OS X – PC Integration Issues	1A24
S26	Creative Thinking in Photoshop: A New Approach to Digital Art	1A21
S27	It's the FONTS!	1A23
S28	Editing Techniques for iMovie	1A06
S29	Everything You Always Wanted to Know About iPhoto	1A10

Thursday, July 18

11:00 am – 12:15 pm

		Room
S31	How the Pros Troubleshoot Macintosh	1A24
S32	How to Set Up a Home Recording Studio	1A07
S33	DV Technologies in the Classroom	1A06
S34	PalmPilot & Macintosh — A Match Synched in Heaven	1A10
S35	Wireless Networking Essentials	1A12
S36	Just Flash It!	1A08
S37	X Tips and Tools for Practicing Information Architecture on the Mac	1A23
S38	Getting Started with Home Movie Making	1A21
S39	Extending iPhoto	1A14

1:00 pm – 2:15 pm

S41	Troubleshooting Mac OS X	1A06
S42	Macworld Conference & Expo Gaming Round-Up	1A10
S43	MediaBooks: The Future of Education	1A07
S44	Total Communications: Integrating Voice, Data, & Applications for the Home & Small Business	1A08
S45	Putting Your Small Business Community on the Web: What the Web Can, and Can't Do, for Your Business	1A23
S46	Energizing Flash Projects	1A12
S47	Microsoft® Office v. X for Mac	1A24
S48	Shooting Great DV	1A21
S49	Cubic Panos in QuickTime VR	1A14

2:30 pm – 3:45 pm

S51	Mac OS X Freeware, Shareware, & Otherware	1A10
S52	Audio CD Mastering for Musicians	1A08
S53	Designers Designing Education	1A12
S54	How and Why to Wirelessly Network Your Home or Office	1A23
S55	QuickTime Pro Tips and Tricks	1A06
S56	Secrets of Macintosh Digital Hub	1A24
S57	Microsoft® Entourage™ X for Mac	1A07
S58	Getting the Most Out of iMovie: Tips and Tricks for Advanced Movie Making	1A21
S59	Making Great Visual QTVR	1A14

4:00 pm – 5:15 pm

S61	Best of Mac Secrets	1A10
S62	Making CDs from Your Old Music Collection	1A21
S63	Distance Learning on the Mac	1A07
S64	Your First DVD	1A12
S65	Authoring Interactive QuickTime with Adobe GoLive 6	1A24
S66	Photoshop for Mac OS X	1A14
S67	Creating Bootable Troubleshooting and Installation CDs: See It Done & Learn How	1A08
S68	Filmmaker in 60 Minutes	1A06
S69	Case Study: Flash at Work — A Real-World Application of Flash as a Marketing Tool	1A23

**Sessions are subject to change without notice. Please refer to the conference-at-a-glance sign at the event for the most up-to-date schedule.*



Macworld Conference & Expo consulted with industry experts to compile recommended conference itineraries for educators, musicians, creative professionals, Mac technicians, and users just looking for great tips and tricks or cool Mac tools! They are simply recommended, so mix and match to find the sessions that perfectly fit your needs and interests.

Moving to OS X

- S01** Making the Transition to Mac OS X
- S11** Using the Classic Environment in Mac OS X
- S17** A Voyage with Darwin
- S21** Mac OS X Web Server Administration Using 3rd Party Tools
- S23** How to Talk to Tech Support (and Win!)
- S31** How the Pros Troubleshoot Macintosh
- S41** Troubleshooting Mac OS X
- S51** Mac OS X Freeware, Shareware, and Otherware
- S61** Best of Mac Secrets

Mac Musicians

- S02** The Beginner's Guide to Music on the Mac
- S12** Mac OS X for Musicians
- S22** The Macintosh Musical Instrument
- S32** How to Set Up a Home Recording Studio
- S52** Audio CD Mastering for Musicians
- S62** Making CDs from your Old Music Collection

Education Curriculum

- S13** Transitioning to Mac OS X in Higher Education
- S33** DV Technologies in the Classroom
- S43** MediaBooks: The Future of Education
- S53** Designers Designing Education
- S63** Distance Learning on the Mac

Desktop Movie Making

- S08** Learning to Use a DV Camera
- S18** Making iMovies with David Pogue
- S28** Editing Techniques for iMovie
- S33** DV Technologies in the Classroom
- S38** Getting Started with Home Movie Making
- S48** Shooting Great DV
- S55** QuickTime Pro Tips and Tricks
- S58** Getting the Most Out of iMovie: Tips and Tricks for Advanced Movie Making
- S68** Filmmaker in 60 Minutes

Digital Photography

- S09** Getting Started with iPhoto
- S19** From 0 to 360 Degrees in QuickTime VR
- S29** Everything You Always Wanted to Know About iPhoto
- S39** Extending iPhoto
- S49** Cubic Panos in QuickTime VR
- S59** Making Great Visual QTVR

Creative Juice Factory

(Hot Ideas for Creative Professionals!)

- S06** Photoshop Digital Creation: Uncanny Realism
- S16** Dynamic Messages/Narrow Pipe
- S26** Creative Thinking in Photoshop: A New Approach to Digital Art
- S27** It's the FONTS!
- S36** Just Flash It!
- S46** Energizing Flash Projects
- S64** Your First DVD
- S66** Photoshop for Mac OS X

The Digital Lifestyle

- S04** Living the Digital Lifestyle with iMac
- S14** The Digital Archiving of Family History, Part 1 Planning Your Project: Ideas and Examples
- S24** The Digital Archiving of Family History, Part 2 Designing Your Project: Techniques, Procedures & Resources
- S34** PalmPilot & Macintosh — A Match Synched in Heaven
- S64** Your First DVD

Running a Small Business on a Mac

- S05** Your New iMac — Inside and Out
- S15** Marketing with Mac OS X for Consultants
- S23** How to Talk to Tech Support (and Win!)
- S25** Mac OS X — PC Integration Issues
- S45** Putting Your Small Business Community on the Web: What the Web Can, and Can't Do, for Your Business
- S69** Case Study: Flash at Work — A Real-World Application of Flash as a Marketing Tool

Cool Tools Showcase Curriculum

- S07** Inside AppleScript Studio
- S36** Just Flash It!
- S39** From 0 to 360 Degrees in QuickTime VR
- S47** Microsoft Office v. X for Mac
- S57** Microsoft Entourage X for Mac
- S65** Authoring Interactive QuickTime with Adobe GoLive 6 First DVD
- S66** Photoshop for Mac OS X



Macworld/Users Conference Sessions



SESSIONS

Macworld/Users Conference continues to be one of the best educational values anywhere, offering more than 60 conference sessions on a variety of exciting topics, all presented by industry experts. This program offers the best opportunity to get a taste of Mac OS X, making desktop movies, digital photography and tips on using your favorite applications!

All Macworld/Users Conferences Sessions will take place in the Jacob K. Javits Center.

Wednesday, July 17

12:30 pm – 1:45 pm

S01 Making the Transition to Mac OS X

Bob "Dr. Mac" LeVitus, Author/Consultant

Room 1A10

Should you or shouldn't you? What's new? What's different? What's in it for you? What do you need to know before you upgrade? And what are the pros and cons of upgrading NOW? If you're considering Mac OS X, or have recently installed it, don't miss this session for lots of hands-on real-world recommendations for making the transition from Mac OS 9 to Mac OS X painless. Presented by Bob "Dr. Mac" LeVitus, a brave man who installed Mac OS X on March 24, 2001 and has been using it full-time ever since, this session will answer your questions about whether it's time to upgrade to Mac OS X once and for all.

S02 The Beginner's Guide to Music on the Mac

Scott Scheinbaum, President, Atomic Digital Consulting

Room 1A08

If you are new to the world of making music on your Mac you inevitably end up with a huge list of questions. What is MIDI? What is a sequencer? If my Mac has a hard disk can I do hard disk recording? What about Mac OS X? Get answers to all of these questions and more as we take you from novice to knowledgeable in this informative session!

S03 Science Education

Scott Myers, Engineer/Educator, Desktop Laboratories, Inc.

Room 1A07

This session will show you how to move your science experience into the 21st century. Educators will learn about hands-on software and hardware that will enrich the science experience as well as K-12 projects that are consistent with NSTA and NSF/AAAS Project 2061: Scope, Sequence & Coordination. Attendees will receive information on vocational, college and post-graduate resources. Engineers and researchers will get broad, strong examples of solo as well as remote Internet-based collaborative science environments. In addition, this session will provide custom, easy-to-use libraries of basic science instruments. Attendees will receive a virtual lab starter kit, including a Geiger counter, a heart monitor, a sophisticated sound meter, and a recording light meter. This fun and informative session will get you started with virtual experimentation!

S04 Living the Digital Lifestyle with iMac

Wendy McDowell, iMac Product Manager, Worldwide Product Marketing, Apple

Room 1A12

This is the perfect session for those who may not yet be familiar with iMac or its digital lifestyle applications, or for those who recently purchased an iMac and want to learn how best to get started. This session will show you how to use the iMac to get the most out of digital devices like cameras, camcorders and still cameras. Learn how iMac makes managing music, organizing and sharing digital photographs and making movies easy. This session will focus on how to use iPhoto, iTunes, iMovie and iDVD on the new iMac and offer insight into how and why the iMac is the best personal computer for the digital lifestyle.

S05 Your New iMac — Inside and Out

Jai Chulani, iMac Product Manager, Worldwide Product Marketing, Apple

Noah Price, iMac Engineering Manager, Apple

Room 1A23

Attend this Apple-led session to learn all about the new iMac, including design goals, an in-depth technical discussion and Q&A. If you have one iMac or twenty or even hundreds, this session will let you in on the finer details of this revolutionary personal computer. If you have questions about iMac and don't know where to find the answer, this is the place to be. You'll learn the ins and outs of the new iMac, including why and how certain things were done, as well as some of the very cool things that few other people know about.

S06 Photoshop Digital Creation: Uncanny Realism

Bert Monroy, Author

Room 1A21

Photoshop is considered a tool for retouching scans and preparing images for print and the Web. It is also the most powerful paint program ever seen in the digital world. Bert Monroy, considered one of the pioneers of digital art, will guide you through the process of creating images from scratch. If there has ever been a time when you needed an image that could not be photographed, this session is for you. He will introduce you to techniques for image enhancement and creation that will stimulate your creative drive and send you into a world limited only by your imagination.

See page 95 to purchase Macworld/Pro and/or Macworld/Users Conference presentation CDs and Conference audio CDs.

*Please note: Sessions and speakers are subject to change.

S07 Inside AppleScript Studio

Sal Soghoian, AppleScript Product Manager, Worldwide Product Marketing, Apple

Room 1A14

Wouldn't it be great if you could make script applications that look, feel and act just like Mac OS X applications? Your wishes have been granted! AppleScript Studio gives you all the tools you need to create elegant and powerful Mac OS X applications written entirely in AppleScript. And you want widgets? We've got widgets! All the beautiful Aqua elements: buttons, windows, sliders, checkboxes, tabs, radio buttons and more are included. And even though it's fun to use, AppleScript Studio is a set of professional application development tools featuring complete interface design and script writing with step-by-step debugging and source management. Get ready to script with style. Attend this session with AppleScript Wizard Sal Soghoian and really get into Mac OS X!

S08 Learning to Use a DV Camera

David Barrett, CEO, R/com Networks, Inc.

Room 1A06

Learn the proper methods for handling and shooting with a modern DV camera. Even though today's cameras include a host of automatic capabilities, anyone interested in creating professional results should learn about the key issues related to shooting digital video: exposure, framing, and camera function. Learn how to shoot for DVD and the Web. This session will detail the differences between a wide range of cameras and will include multiple DV formats. Ideal for anyone interested in shooting DV projects, including filmmakers, educators, graphic designers, and even video editors.

S09 Getting Started with iPhoto

Adam C. Engst, Publisher, TidBITS

Room 1A24

iPhoto is the latest of Apple's "iApps" and the first to be written exclusively for Mac OS X. It's a simple, effective photo cataloging application with a few innovative features for sharing photos both electronically and in print. But learning the best way to use iPhoto isn't always obvious, and there are a variety of tips and tricks that you'll learn in this session by Adam Engst, the publisher of TidBITS and author of Peachpit's "iPhoto Visual QuickStart Guide."

Wednesday, July 17

2:00 pm – 3:15 pm

S11 Using the Classic Environment in Mac OS X

Ted Landau, Contributing Editor, Macworld; Editor, MacFixIt; Author, "Sad Macs, Bombs and Other Disasters"

Dan Frakes, Author, InformINIT

Room 1A06

Most Mac OS X users have older applications that are not yet compatible with the new operating system. The "Classic Environment" is Apple's solution, letting you run "classic" Mac OS applications under Mac OS X. But how does the Classic Environment differ from an actual Mac running Mac OS 9? What kind of problems/benefits can you expect? What can you do to optimize the Classic Environment and make it work for you? Our Mac OS experts will lead you through the Mac OS of yesterday running on the Mac OS of today. From installing to troubleshooting, they cover the Classic Environment. The session combines older Mac OS techniques that are still relevant with new information unique to the Classic Environment.

S12 Mac OS X for Musicians

David Mash, Vice President for Information Technology, Berklee College of Music

Room 1A08

Mac OS X offers many advantages to the working musician and also presents some unique challenges in the transition process. This session will focus on strategies for musicians making the switch to Mac OS X and will explore various hardware and software compatibility issues including MIDI interfaces and drivers, audio hardware and drivers, and various available software applications. Working musicians face special challenges as updated software arrives on varying timetables from different developers, while existing hardware must continue to function in order to successfully complete musical projects. This session will focus on successful transition planning for migrating to Mac OS X.

S13 Transitioning to Mac OS X in Higher Education

John Mulhern III, IT Project Leader, University of Pennsylvania

Room 1A07

The session will discuss how higher education institutions (with Penn as a specific example) have and are transitioning to Mac OS X, raising issues directly relevant to higher education along with concerns related to highly diverse and decentralized environments. Attendees will learn methodologies and concerns that influence deployment of Mac OS X in higher education. They will leave with increased knowledge about Mac OS X deployment on a large scale.

S14 The Digital Archiving of Family History, Part 1 Planning Your Project: Ideas and Examples

Mary B. Farquhar, TomboMedia

Peter Farquhar, TomboMedia

Room 1A12

Discover how you can use your Mac as a "digital hub" to create a multimedia archive of your family history. This session presents examples of the digital archiving of documents, interviews, photographs, journals, letters, genealogies, home movies, and many other artifacts of a family's history. This is followed by a discussion of planning a family history project.

S15 Marketing with Mac OS X for Consultants

Doug Hanley, President, MacTEK

Room 1A24

This session will provide consultants with an understanding of the digital tools that will set them apart from their competition including how to use digital hub technology to successfully communicate their business' message. Attendees will learn how to grow a consulting business using the latest tools on Mac OS X and creative ways to market a consulting business without spending a fortune. We'll discuss the top five secrets of growing a successful consulting business and how to keep clients referring new business to you.

S16 Dynamic Messages/Narrow Pipe

Scott Traylor, President, 360KID

Room 1A23

Creating a dynamic web site will surely attract online attention, but consider first whether or not your audience can actually view your site. Delivering engaging information online often comes down to the user's connection speed and how fat your site is. Learn what your options are at the beginning, middle and the end of a project's development cycle for creating lean and engaging sites. What technology tips will allow you to create that site for under 80K? Explore issues related to graphic, audio, and video compression as well as site structure and development suggestions.



Macworld/Users Conference Sessions

S17 A Voyage with Darwin

James Dempsey, *Mac OS X Curriculum Manager, Apple Technical Training*

Room 1A21

Mac OS X provides an elegant user interface, but also provides the command line power of a UNIX-based system. With Mac OS X, you have the option to dive beneath Aqua, but you may be reluctant to take the plunge. Join James Dempsey for a non-threatening, possibly amusing, but certainly informative session about the Mac OS X command line. Part tour, part practical how-to, the session is for Mac users with no UNIX experience. Attendees will learn command line basics and better understand the UNIX way of doing things—all from the standpoint of a Mac user. Perhaps most importantly, attendees should leave the session with a well-founded idea of whether diving deep into the command line is something for them, or not.

S18 Making iMovies with David Pogue

David Pogue, *"State of the Art" Columnist, The New York Times*

Room 1A10

Make your first iMovie in this interactive session hosted by Mac luminary David Pogue. Session attendees play an integral part of this "production" as David takes you through all the steps involved with shooting your first movie and editing it on your Mac. Fun, informative and educational — David takes you through the steps!

S19 From 0 to 360 Degrees in QuickTime VR

Jon Alper, *Director of Technology, R&D, WGBH Interactive*

Room 1A14

If you've always wondered how QuickTime VR tours and object movies were made, then this is the session for you. We'll start from scratch describing the hardware and software available, cover tricks and tips for shooting your pictures, and end with how to get your project on the Web. We will demonstrate and discuss stitching panoramic VR, building object VR, and embedding your VR's in an HTML document for the Web. You'll leave this session with a clear grasp of the essentials of QuickTime VR and be ready to start creating your own virtual tours.

Wednesday, July 17

3:30 pm – 4:45 pm

S21 Mac OS X Web Server Administration Using 3rd Party Tools

Scott Sheppard, *Editor-in-Chief, OSXFAQ.COM; Contributing Editor, Macworld UK*

Room 1A07

This session is for anyone who may be thinking of or already using Mac OS X as a Web server. You'll learn how to set up and manage Mac OS X as a Web server using 3rd party tools, allowing them to better control and administer their Web servers. Attendees will learn what their options are for 3rd party tools, see examples and discover the advantages of them.

S22 The Macintosh Musical Instrument

David Mash, *Vice President for Information Technology, Berklee College of Music*

Room 1A08

Mac OS X holds much promise for audio and MIDI users, most importantly in the arena of software instruments. This session will demonstrate the use of the Mac as a virtual musical instrument using software synthesizers under OS X. Stand-alone and plug-in synthesizers will be explored and various system configuration issues will be addressed in this demonstration/discussion-format session.

S23 How to Talk to Tech Support (and Win!)

Andy Espo, *Mac Guy, Call Andy! Macintosh Consulting*
Patrick Rhone, *[machine]METHODS*

Room 1A14

You're having a problem with your Mac; you're at your wit's end; you've finally decided that you need to call tech support. Be prepared to dazzle the tech you talk to with your preparedness for the call and get the help you need! Attendees will learn what information they will need before dialing the phone, suggestions for keeping a trouble log, the different kinds of support available, troubleshooting steps to take before calling and how to handle your relationship with the technician and the support staff even if the going gets tough.

S24 The Digital Archiving of Family History, Part 2 Designing Your Project: Techniques, Procedures & Resources

Mary B. Farquhar, *TomboMedia*
Peter Farquhar, *TomboMedia*

Room 1A12

Discover how to produce a family history digital archive using your Mac as a "digital hub." Part Two explores technical considerations and procedures such as hardware, software, formats, media, and costs, as well as Internet and professional resources. This is followed by an open discussion of specific "how to" issues and considerations.

S25 Mac OS X — PC Integration Issues

Phil Goodman, *Owner, Goodman Consulting*

Room 1A24

This session explains what a Mac user needs to know when sharing data with Windows users. We will cover how OS X easily allows you to integrate right into a Windows network and how it can read Windows media. In addition, we will discuss file formats, naming conventions and cross-platform servers. OS X now supports file name extensions and we'll explain why that's important. We'll also show you how to deal with encoding and compressing files so that they can travel safely over the Internet. For the rare Windows only application you might come across, you will learn how to actually run those Windows applications under OS X and Windows terminology will be defined as we go along.

S26 Creative Thinking in Photoshop: A New Approach to Digital Art

Sharon Steuer, *Artist/Author*

Room 1A21

Instead of memorizing exactly how to replicate specific effects, Creative Thinking encourages you to learn how to "think in Photoshop." By becoming comfortable with what kinds of things you can achieve in Photoshop, Creative Thinking can help you become more confident, productive and creative in Photoshop. Through a series of creative projects, attendees will learn strategies for problem-solving, creative exploration and even improvisation with Photoshop. Attendees will learn that there are a multitude of solutions for most situations, and will discover that it's often beneficial to pursue multiple paths and then determine which path is best.

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*Please note: Sessions and speakers are subject to change.

S27 It's the FONTS!

Sandee Cohen, Writer/Consultant
Room 1A23

At the heart of every graphics system lies the fonts. This intensive session covers all the aspects of fonts to help you demystify working with fonts. Learn about the differences between Type 1, TrueType, OpenType, and MultipleMaster fonts, the dangers of mixing fonts, who likes TrueType fonts and who doesn't, what fonts you can or cannot safely remove from your system, how to modify and customize your own fonts, and using font management software.

S28 Editing Techniques for iMovie

David Barrett, CEO, R/com Networks, Inc.
Room 1A06

This session will show first-hand how to get the most out of iMovie. You will learn how to plan for a production, get tips related to shooting for DV, and watch as an actual project is assembled. This session will demonstrate all of the newest features in iMovie, including slip edits, multiple audio tracks, audio and video sync, transitions, and much more. You will also learn how to publish a completed project to tape, disc and the Internet as well as have the opportunity to get tips and advice on personal projects. Ideal for educators and people who have an interest in storytelling with iMovie.

S29 Everything You Always Wanted to Know About iPhoto

Rick Smolan, CEO, Against All Odds Productions
Room 1A10

Apple's slogan is "Shoot like Ansel; organize like Martha." Join professional photojournalist Rick Smolan (the creator of the "Day in the Life" book series) as he shares tips and tricks for using iPhoto for organizing, editing, and outputting your photographs. A former "Time," "Life" and "National Geographic" photographer, Rick will cover the ins and outs of Apple's latest iTool and help answer the question that every digital camera user faces: How do I deal with all those images once I dump them onto my computer's hard drive?

Thursday, July 18

11:00 am – 12:15 pm

S31 How the Pros Troubleshoot Macintosh

Moderator: Phil Goodman, Owner, Goodman Consulting

Panelists: Ben Levy, Owner, Solutions Consulting
Andy Espo, Mac Guy, Call Andy! Macintosh Consulting

Room 1A24

A panel of Apple Solution Experts will discuss their approaches to problem solving Macintosh crashes. We will discuss software conflicts, troubleshooting techniques, disk repair utilities and backups. We will also concentrate on how to minimize these problems with effective preventive maintenance techniques. Most importantly, we'll expose the troubleshooting arsenal the pros use at the highest levels. Attendees will learn the thought process used to determine if your problem is software or hardware, and how to handle both. Attendees will also learn about troubleshooting products and techniques that will help them resolve problems with the classic Mac OS and Mac OS X.

S32 How to Set Up a Home Recording Studio

Dave Roberts, Product Specialist, Mark of the Unicorn

Room 1A07

Recording studio time is still prohibitively expensive and beyond the reach of many musicians who need time to develop their projects. Increasingly, musicians are building home studios with their Macs and gaining the benefits of anytime access to studio resources. Learn how to integrate your acoustic and digital instruments, and choose software for recording, mixing, and preparing a master. Studios can be created for all budgets — attend this session to learn how!

S33 DV Technologies in the Classroom

David Barrett, CEO, R/com Networks, Inc.

Room 1A06

Discover the latest techniques for teaching DV technologies in the classroom. From script to disc to the Web, this session will demonstrate concepts for developing courseware, training materials, and even a practicum. Learn about iMovie, iDVD, QuickTime Pro, digital cameras, servers, and much more. Perfect for K-12 educators and suitable for trainers and higher education professors, this session also features plenty of Q&A time to answer specific questions.

S34 PalmPilot & Macintosh — A Match Synched in Heaven

David Pogue, Author, "PalmPilot: The Ultimate Guide"

Room 1A10

The PalmPilot pocket computer is a smash-hit tech phenomenon not seen since the original Macintosh; this funny, fast-paced session will demonstrate why this clever palmtop is a natural sidekick for the Mac. Find out how to sync this 3-by-5-inch gadget with the Mac's calendar, date book, e-mail programs, FileMaker databases, Quicken data, and more — so you can carry all of it in your shirt pocket. Plus PalmPilot music, graphics, and Web-browsing software, wireless Internet with the Palm VII, photos on the color Palm IIIc, and mastering the Mac Pac 2.6.1

S35 Wireless Networking Essentials

Bill Vlahos, Network Services Engineer, Enterprise Information System, Jet Propulsion Laboratory

Room 1A12

This session will delve into wireless networking solutions and issues involving: wireless Local Area Networks, Wide Area Networks, remote wireless networks, as well as the use of antennas and amplifiers to extend your wireless network. Security issues will also be covered, with recommendations and solutions for users and administrators alike. Topics covered include: AirPort Wireless Basics, other 802.11 vendor basics, use of amplifiers and antennas, security issues and practices, diagnosis and administrative issues, and setup solutions. Success stories will be shared as well as future developments with 802.11a and b.

S36 Just Flash It!

Jennifer Bennett, Grass Roots Consulting

Room 1A08

Get a jump-start on learning the hottest Web tool around — Flash MX! This session will familiarize you with Flash MX's improved environment and drawing tools. Find out how to create quick and easy animations, morph objects, place a Flash movie on your Web page and more! Undocumented tips will be exposed when you least expect them. Attendees will learn how to use Flash MX drawing tools, create animation using keyframes, motion guides and shape tweening and how to construct interactions with buttons and simple ActionScripting.



Macworld/Users Conference Sessions

S37 X Tips and Tools for Practicing Information Architecture on the Mac

Patrick Hunt, Principal, Strategux Consulting, Inc.

Room 1A23

Every Web site has an information architecture. How do you communicate the user experience to management, user groups, designers and developers before the site is built? User flows, sitemaps and wireframes... oh my! Learn how to choose the right Mac OS X software for your specific needs, the pros and cons of some popular programs, and ten tips for using Mac OS X as the information architecture development platform of choice.

S38 Getting Started with Home Movie Making

Michael Uy, iMovie Product Marketing Manager, Apple

Room 1A21

So you have a camcorder and a Mac, or are thinking about purchasing one, and want to go beyond the hype to discover why desktop movie making is so popular. Learn how to get the most out of your digital camcorder and how to create your first home movie on a Mac with Apple's industry-acclaimed iMovie software. Apple's iMovie product manager will reveal inside tips and tricks and inspire you to make iMovies for all the best moments of your life! You'll also learn how to post your movies to the Internet and even make your own DVDs!

S39 Extending iPhoto

Rick Fortin, Program Manager, Corel Graphics Suite, Corel Corp.

Room 1A14

Now that you've got your new iMac, iPhoto and digital camera — where else do you go? This session is for digital camera owners looking to make the transition from basic editing to more creative effects and design ideas in Mac OS X. Attendees will learn about the tools available for Mac OS X users who want to extend their digital image-editing capabilities. Leveraging the existing storage tools in iPhoto, attendees will learn how to make changes to their images that are a little tougher than red-eye removal or merely cropping. We will cover some basic tips and tricks on how to work with images from a digital camera, working with photos in PHOTO-PAINT 10, and how to attain the best results from your new iMac.

Thursday, July 18

1:00 pm – 2:15pm

S41 Troubleshooting Mac OS X

Ted Landau, Contributing Editor, Macworld; Editor, MacFixIt; Author, "Sad Macs, Bombs and Other Disasters"

Dan Frakes, Author, Inform!NIT

Room 1A06

Mac OS X is more than an OS upgrade. It is an entirely different OS with little in common with the Mac OS versions that preceded it. From the Aqua user interface to the UNIX underpinnings, troubleshooting Mac OS X is a new ball game as well. This session guides you through what you need to know to keep OS X purring smoothly and what to do when things (inevitably) go wrong.

S42 Macworld Conference & Expo Gaming Round-Up

Corey Tamás, Editor-in-Chief, MacGamer.com

Room 1A10

Games are hot and Macworld Conference & Expo has the hottest titles and previews for you. Attend this session for the latest information on your favorite games and get tips from the game gurus for mastering your favorite entertainment title. Pros and wannabes are invited to get the scoop on the state of gaming on the Macintosh.

S43 MediaBooks: The Future of Education

Jeffrey Weiss, Professor of Economics, Zicklin School of Business, Baruch College

Room 1A07

In this session, attendees will be shown how to use QuickTime Pro and a touch of HTML to easily make MediaBooks — interactive information delivery systems for education. Professor Weiss is convinced they are the future of education at all levels. A MediaBook allows for the individualization of education in the sense that a student gets help only if he needs it. Teachers can create one book that meets the individual needs and learning styles of all of his or her students, something a traditional textbook can't do. (And it's not just for higher education.) He will demonstrate an "algebra" MediaBook and a "how to use a library" MediaBook that he has created working with K-12 educators.

S44 Total Communications: Integrating Voice, Data, and Applications for the Home and Small Business

Michael Bayer, President, CTExperts

Room 1A08

Your Mac and your telephone sit side-by-side and, while they may share a telephone line, your Mac just doesn't get involved in your telephone calls. You'd really like it to be your assistant and to screen out unimportant calls, provide caller information when the phone rings, and log your telephone calls. You wish your Mac could take care of things while you're away from the office so it could track you down when an important call comes in or take a message and notify you. You'd like to be able to call in to your Mac to retrieve voicemail, but also have it forward files to you, turn off the office lights, or turn up the thermostat.

S45 Putting Your Small Business Community on the Web: What the Web Can, and Can't Do, for Your Business

Maria Langer, Author/Internet Content Creator, Flying M Productions

Cys Bronner, Community Director, World Without Borders

Tim Lundeen, CEO & President, Web Crossing, Inc.

Room 1A23

Anyone can put up a Web site, but what does it take to have one that truly works hard for your small business? Static, Sticky, ROI and Interactive are the buzz words that have all been bandied about; this session will teach you what to aim for, who to market to, and how to do it! Join us to gain insight on essential community building strategies!

S46 Energizing Flash Projects

Rich Shupe, President, FMA

Room 1A12

This case-study session will examine a sample of "average" Flash projects and tasks, and demonstrate how to take them from ordinary to extraordinary. Users of all skill levels will gain from learning some of the best Flash enhancement techniques from file optimization through the use of symbols to ActionScript control over assets. Learn how to add timely data to your files with dynamic content and external data sources. Add variety and uniqueness to your projects with randomization. Improve download time through file optimization. Increase productivity by making more of your content reusable. Expand your international audience with localization know-how. Come soak up the tips and tricks that will set your projects apart from the rest.

See page 95 to purchase Macworld/Pro and/or Macworld/Users Conference presentation CDs and Conference audio CDs.

*Please note: Sessions and speakers are subject to change.

S47 Microsoft® Office v. X for Mac

Stuart DeSpain, Lead Program Manager, MacBU, Microsoft

Room 1A24

Want to know how to get more out of the newly redesigned Office v. X built exclusively for Mac OS X? Members of the Macintosh Business Unit at Microsoft will show you the secrets to mail merges in Microsoft Word, managing lists with Microsoft Excel, turning Microsoft PowerPoint® presentations into QuickTime movies, and managing your e-mail, contacts, and schedules with Microsoft Entourage™. We'll discuss the true compatibility between Office for Mac and Office for Windows, showing you how files can be passed back and forth freely between the Mac and Windows platforms. We'll highlight how the Office programs are integrated allowing you to embed live Excel spreadsheets in your Word or PowerPoint documents. You'll see the amazing graphics you can create in Word, Excel, and PowerPoint and how you can bring those graphics to life with transparency and simple graphic editing. And that's not all; you'll have to come the session to find out more!

S48 Shooting Great DV

Josh Mellicker, President, CEO, DVcreators.net

Room 1A21

Great desktop movies start with great footage. Learn the best ways to get professional quality footage from a DV camcorder. Many tips on planning, shot composition, aesthetics, coverage, camcorder settings and mic selection are covered.

S49 Cubic Panos in QuickTime VR

Jon Alper, Director of Technology, R&D, WGBH Interactive

Room 1A14

Already making cylindrical QTVR Panoramas and curious about Cubics? Just finished S39: "From 0 to 360 Degrees in QuickTime VR" and want to know more? This is the session for you! Starting from a basic understanding of traditional panoramic QuickTime VR, we'll cover the structure of Cubic VR and when and where it might be useful. We'll learn how Cubic VR's are shot, explore setup of "multi-row" or "spherical" capture rigs and walk through stitching a project using RealViz's "Stitcher" software. We'll also get an overview of alternate methods including free tools like Apple's "MakeCubic" and Ken Turkowski's "DeFish."

Thursday, July 18

2:30 pm – 3:45 pm

S51 Mac OS X Freeware, Shareware, and Otherware

Bob LeVitus, Author/Consultant

Room 1A10

This panel will present several early OS X adopters' favorite new programs for use with OS X. From utilities to games to productivity software, you'll hear about the best new native software for OS X and why it's better under OS X. We'll take a look at the first freeware and shareware apps that have come out and explore some of the cool enhancements that you can make to this hot new OS.

S52 Audio CD Mastering for Musicians

Adam Fingerman, Senior Product Manager, Roxio, Inc.

Jason E. Davies, Vice President of Sales, BIAS, Inc. Room 1A08

This session will cover the spectrum of audio CD mastering utilities available to music aficionados using Mac OS X. This session will provide demonstrations of various techniques for editing, arranging, and recording. You'll learn how to achieve superior sound quality by taking advantage of more flexible cross-fade tools, dithering features, and new online help systems.

S53 Designers Designing Education

Prof. Richard Navin, Digital Media Center at Brooklyn College

Prof. Lena Aronson, FDU

Room 1A12

The Digital Media revolution moves at warp speed, while most faculty members are still fighting prop-wash. Dream your dream curriculum. Now, break out of the education box, and enter with us into a dialogue with prize-winning designers from BDA, NAB & SIGGRAPH, get distinguished real-world design projects that blow away tutorial-driven results. Public Service, Anthropology and a Fine Arts Virtual Gallery raise classroom productivity to new heights. Lift your students into internships in the professional design community of Manhattan.

S54 How and Why to Wirelessly Network Your Home or Office

Ken Haase, Director of Product Marketing, Proxim

Room 1A23

This session will address all the issues, considerations, and factors that go into networking a home or small office. Networking computers has many benefits including the ability to share printers, files and Internet connections. This session will focus on the strategic use of a wireless network for greater ease of use, flexibility and cost-effectiveness.

S55 QuickTime Pro Tips and Tricks

Rhonda Stratton, Senior QuickTime Product Line Manager, Worldwide Product Marketing, Apple

Room 1A06

This session will introduce tips and tricks for QuickTime and QuickTime Pro, Apple's industry-leading software for creating, playing and streaming high-quality audio and video over the Internet. QuickTime Pro offers groundbreaking capabilities for creating and delivering custom media skins, Internet-ready audio and video, special effects, 3D Media effects, Virtual Reality scenes (VR) and more! Attend this introductory session to understand what QuickTime is, how to use it and how to make the most of QuickTime Pro.

S56 Secrets of the Macintosh Digital Hub

Jim Heid, Author/Producer, "The Macintosh Digital Hub"

Room 1A24

The Mac is the hub that brings digital media and digital devices together: Apple's iTunes, iPhoto, iMovie, and iDVD make it easier than ever to work with and combine digital media. Create music playlists, assemble slide shows, edit digital video, and then burn your efforts on a DVD. Watch a complete digital hub project come together before your eyes - and discover cool new ways to use Apple's "i-ware" at home and at work.

S57 Microsoft® Entourage™ X for Mac

Dennis Cheung, Program Manager, MacBU, Microsoft

Room 1A07

Find out why reviewers are calling the redesigned Entourage X the best email program they have used. Members of the Macintosh Business Unit at Microsoft will show you how to try Entourage risk free by quickly importing your information from another email program. You'll see that Entourage gives you the ability to insert pictures, backgrounds, and QuickTime movies, and use smart replies, text clean up, and text magnification. We'll review the new calendar and show you how to keep track of your busy schedule through peer to peer calendaring. And there is so much more to see — don't miss it!

S58 Getting the Most Out of iMovie: Tips and Tricks for Advanced Movie Making

Michael Uy, iMovie Product Marketing Manager, Apple

Room 1A21

Learn how to plan, shoot, edit, and add effects to produce compelling desktop videos to share those special moments of your life. Apple's iMovie product manager will discuss camcorder settings, shooting techniques, and integration with iMovie. Also learn tips and tricks that help you save time and enable you to gain extra functionality in iMovie. Come get an advanced crash course in desktop movie making and become your family's Spielberg today!



S59 Making Great Visual QTVR

Dennis Biela, Owner, Way Ahead Group
Room 1A14

Creating QTVR is more than just a mechanical of shooting. This session is all about the ascetics of how you can improve your VR with composition techniques and lighting. Enhancing your QTVR with 3rd party tools and Adobe's Photoshop 7 will also be discussed.

Thursday, July 18

4:00 pm – 5:15 pm

S61 Best of Mac Secrets

David Pogue, "State of the Art" Columnist, The New York Times

Room 1A10

Join this fast, funny, highly entertaining columnist as he makes the Macintosh operating system sing, dance and walk on its head. Now in its 15th Macworld Conference & Expo incarnation, this popular, newly updated session gives away the best of the newly released best-seller, "Macworld Mac Secrets," 6th Edition. Witness a parade of Easter eggs, learn how to make useful AppleScripts in 30 seconds, double Web browser speed, protect documents from prying eyes, send file attachments intact to Windows email programs, and much more. This year's session offers special focus on the secrets of Mac OS X.

S62 Making CDs from Your Old Music Collection

Dan Newsom, Berklee College of Music
Room 1A21

This lecture/demonstration will examine the tools and processes for creating compact discs from your old tape or vinyl collection (legal stuff only). Using your Mac and low-cost software and hardware peripherals, you can easily make high quality discs that play on any commercial CD player. This session will look at various options, and walk you through the connections, settings, and procedures to make great sounding discs.

S63 Distance Learning on the Mac

Jim Baker, CEO, 21st Century Media, Inc.

Room 1A07

In this session, you'll discover how to use the Mac, Mac OS X, QuickTime, and third party hardware and software to build an online learning center. Whether for K12, college, higher education or corporate training applications, you'll learn everything you'll need to know about designing a digital classroom that integrates courseware with innovative technology to make online learning engaging and productive. Meet education experts from Apple, and see how institutions like the Mayo Clinic are implementing Apple solutions for eLearning.

S64 Your First DVD

Nick Floro, President, Sealworks, Inc.

Room 1A12

You've been biding your time, waiting for prices to come down, and system speeds to go up, and now you've finally DONE IT! You've purchased a DVD-capable Mac! Now, with sweaty palms, you wonder: how will you ever navigate this brave new digital world? It's easy! Join us in our session "Your First DVD" — we'll walk you through everything you need to know to slip past the pitfalls that derail newbies, and make even grownup DVD authors cry! We'll show you tips, tricks, and some good old-fashioned Authoring techniques, to make your initial authoring efforts fruitful. For both iDVD and DVD Studio Pro, there are a world of DVD authoring aids out there as well, and we'll introduce you to them!

S65 Authoring Interactive QuickTime with Adobe GoLive 6

Clifford E. VanMeter, Director of Web Development, PlayBox Media

Room 1A24

Everyone knows Adobe GoLive as a robust and intuitive Web-authoring tool, but hidden within GoLive lies a powerful QuickTime editor capable of bringing much more than HTML to a Web page. In this session we'll explore Adobe's secret weapon for enhancing the Web experience within the browser and beyond it. We'll cover real-world solutions for creating custom video and audio controls, Flash (SWF) integration with streaming video and video-on-demand, creating integrated synchronous media, and breaking out of the Web page into a whole new kind of internet-ready, cross browser/cross platform, custom-branded multimedia world.

S66 Photoshop for Mac OS X

John Nack, Photoshop Product Manager, Adobe Systems, Inc.

Room 1A14

While Photoshop 7 is packed with many exciting new features, some of the biggest news is that it is now OS X native! If you need to get up to speed on the latest version of Photoshop, this is the session for you. You'll learn the most important new features, shortcuts, and how it takes advantage of Mac OS X.

S67 Creating Bootable Troubleshooting and Installation CDs: See It Done & Learn How

Ben Levy, Owner, Solutions Consulting

Room 1A08

This session teaches the intricacies of the creation of reliable bootable CDs to use for troubleshooting, testing, updating and installing software on Macs running OS X or OS 9. I use and rely on my own custom CDs every working day. Knowing what to put on a disc and how to get all aspects to work reliably is a topic that comes up again and again with users of all levels and this course will guide attendees in choosing appropriate troubleshooting applications and creating a CD that will boot and repair any Mac, regardless of OS version. Attendees will learn the necessary skills to create their own diagnostic CDs utilizing the full range of available utilities to troubleshoot and repair problems on their Macs running OS 9 or OS X. After attending this session, attendees will be able to make educated choices about what software to include on their own personalized troubleshooting, repair and installation discs. Once they have made their content choices, they will be able to burn that content to a CD, confident of their ability to boot and repair their Mac.

S68 Filmmaker in 60 Minutes

David Barrett, CEO, R/com Networks, Inc.

Room 1A06

Now that you've taken the session on Final Cut Pro, the session on iDVD or DVD Studio Pro, and the course on building your own Web site, it's time to put it all together. This fast-paced session will explain the real-world issues you need to know if you intend to create your own films. Learn how to shoot for DVD or the Web, how to prepare content for a DVD, licensing issues and how to build a simple sales Web site that includes both streaming video and eCommerce. This session is a must for anyone interested in producing a video or DVD for retail sale.

S69 Case Study: Flash at Work — A Real-World Application of Flash as a Marketing Tool

Michael E. Levine, Pileated Pictures

Room 1A23

Michael E. Levine of Pileated Pictures www.pileated.com will show animation and Flash action scripting techniques used to complete two recent projects for Universal Records. Flash's Action Script allows non-traditional programmers to create interactive projects for the Web with relative ease, while also allowing more complex projects to be built. Attendees will learn basic action scripting techniques to create mini games and story-based games. This session covers basic action scripting techniques for non-programmers, as well as basic animation techniques. Example:

<http://www.lilromeo.com/game/shell.html>

See page 95 to purchase Macworld/Pro and/or Macworld/Users Conference presentation CDs and Conference audio CDs.

*Please note: Sessions and speakers are subject to change.



You Asked For It!

The Hands-on MacLabs provide hands-on computer training on key applications and tools. Our trainers are experts in their fields, and they are prepared to share their knowledge with you — so select a discipline to focus on and bring your laptop!

Spend a half-day focusing on one of these five disciplines:

Flash 5 ActionScript ■ DVD StudioPro ■ Mac OS X ■ PDF ■ Final Cut Pro 1

Please note: Macworld Conference & Expo is not responsible for any personal belongings left unattended.

Friday, July 19

9:00 am – 1:00 pm

LA Flash 5 ActionScript for Designers

Rich Shupe, President, FMA

The next step for designers and scripters alike, this lab presents an introduction to Flash 5's scripting language. ActionScript makes it possible to manipulate Flash objects without the constraints imposed by a preset timeline. It also provides a variety of additional features not available using traditional animation techniques. This means designers can enhance Flash sites with improved user interactivity, on-the-fly customization, and compelling graphic experiences. Basic skills learned in this hands-on lab will even lay the groundwork for moving on to more advanced Flash programming techniques such as parsing external data, client-server communication, and more. Make your Flash sites more exciting, more useful, and more reusable with ActionScript.

You will learn how to:

- Use buttons, movieClips, and text entry to facilitate user interaction
- Control movieClips and manipulate their properties
- Load additional Flash movies for enhanced interfaces and experiences
- Use variables and understand variable scope, including targeting movieClips and the mouse
- Use intermediate coding structures such as loops, conditionals, functions and arrays

Who should attend?

This half-day lab is designed for novice to intermediate scripters. A basic knowledge of the Flash interface is required. Users with some ActionScript experience will benefit from learning new scripting techniques, but the structure of the lab and source files have been designed to allow beginners to ramp up quickly. This is a code-based lab, so be prepared to type!

Hardware, software and minimum skills requirements are available at www.macworldexpo.com.

LB Get "Author-ized" with DVD Studio Pro!



Bruce Nazarian, President, Gnome Digital Media

Here is your chance to hit the ground running, by attending special DVD Studio Pro training sessions with Bruce Nazarian, "the DVD Guy." You'll get invaluable basic DVD

authoring insight while getting hands-on experience with Apple's powerful new authoring application, DVD Studio Pro. Knowledge of Mac operation and Adobe Photoshop 5.0 or 6.0 will be helpful.

You will learn:

- About the many different DVD formats
- How to harness the power of DVD to communicate your message
- How to create a DVD-Video project of your own design
- How to connect your DVDs to the Web using cool authoring tools
- About affordable DVD creation using DVD Studio Pro, Final Cut Pro, and QuickTime

Who should attend?

Corporate and Marketing Communications Professionals, Film and TV Directors, Producers, Writers, Independent Filmmakers, Industrial Video Creators, Interactive Display and Kiosk Designers, Motion Picture Film Editors, Post Production Executives & Supervisors, Post Production Sound Engineers, Video & TV Editors, or anyone just interested in DVD!

Hardware, software and minimum skills requirements are available at www.macworldexpo.com.

LC Hands-on Mac OS X for Administrators



Schoun P. Regan, CEO, The Mac Trainers, Inc.

Mac OS X is making inroads into many schools and businesses, so support professionals in IT departments must learn how to manage this new operating system.

This lab is designed to give support professionals and administrators the information necessary to maintain and support Macintosh computers running Mac OS X. Attention will be paid to running applications within the Classic environment, basic UNIX troubleshooting, networking, file and folder permissions, the domain structure of Mac OS X, and must-have third party solutions.

You will learn how to:

- Set file and folder permission settings
- Use UNIX for basic troubleshooting
- Solve network issues
- Incorporate third party solutions to enhance and ease administration

Who should attend?

Macintosh Professionals looking to integrate OS X within their environment, PC Professionals interested in gaining an understanding of OS X, any IT professionals with an eye towards deployment or support of OS X.

Hardware, software and minimum skills requirements are available at www.macworldexpo.com.



LD Acrobat in the Trenches: Combat Training for PDF Production*Hal Hinderliter, Hinderliter**Consulting & Creative Services*

While many of us still have trouble creating and printing PDF files, some companies are winning the productivity war with this powerful yet complex format. This hands-on

course by Macworld Conference & Expo's resident Acrobat expert offers a two-stage approach to improving your PDF skills: first, you will learn how to configure Adobe Acrobat to quickly create perfect PDF files for web and print distribution; then, we'll explore plug-ins (such as EnFocus PitStop) and other techniques for editing and correcting PDF problems to achieve successful output. It's four hours of concentrated learning from an instructor with an international reputation for effective classroom training — and when the smoke clears, you'll understand Acrobat like never before!

You will learn:

- The most effective workflows for making PDFs
- How to determine the best settings for images, fonts and colors
- PDF attributes for Web downloading versus high-end printing
- Which PDF editing tools should be in your arsenal
- The most common PDF creation mistakes — and how to fix them

Who should attend?

Anyone interested in knowing more about PDFs.

Hardware, software and minimum skills requirements are available at www.macworldexpo.com.

LE Final Cut Pro Hands-on — The Director's Cut*David Barrett, CEO, R/com Networks, Inc.*

If you're interested in using Final Cut Pro (FCP) to edit a video or motion picture project, there is no better option than this unique half-day course. This fast-paced hands-on class will show you what you need to know when cutting a project "the right way" is the difference between success or failure. You'll work with actual project footage, explore cutting, timing, problem solving, multiple tracks, compositing, titling, sweetening, and layback to tape or DVD. Most importantly, you'll learn from an experienced award-winning video director and editor and a support team of video and film professionals.

You will learn:

- To cut projects more effectively
- Important tips for compositing and multi-track use
- The power of audio — and when to use it
- How to solve timing and bad footage problems
- To build a palette of skills and know when to use them

Who should attend?

Perfect for aspiring producers, directors, and editors. This is not a FCP feature overview — be prepared to edit and work in a time-compressed environment. Basic understanding of video editing and production is a plus. This course will be taught using Final Cut Pro 3 running under Mac OS X.

Hardware, software and minimum skills requirements are available at www.macworldexpo.com.



Speaker Name	Company	Session #	Session Name	Day	Time	Location
Leon J. Ablon	Ablon Associates	Workshop/WB	Practical Introduction to Mac Networking	Tuesday	10:00 am – 5:00 pm	1A08
Jake Abraham	Independent Digital Entertainment (InDigEnt)	Pro/C52	AFI Presents: Digital Filmmaking at the Crossroads... A Digital Cinema Case Study	Thursday	3:15 pm – 4:45 pm	1E13
Alexis Alexanian	Independent Producer	Pro/C52	AFI Presents: Digital Filmmaking at the Crossroads... A Digital Cinema Case Study	Thursday	3:15 pm – 4:45 pm	1E13
Jon Alper	WGBH Interactive	Users/S19	From 0 to 360 Degrees in QuickTime VR	Wednesday	2:00 pm – 3:15 pm	1A14
		Pro/C32	MPEG-4 and the State of Streaming Media	Thursday	11:00 am – 12:30 pm	1E08
		Users/S49	Cubic Panos in QuickTime VR	Thursday	1:00 pm – 2:15 pm	1A14
Lena Aronson	FDU	Pro/C53	Designers Designing Education	Thursday	2:30 pm – 3:45 pm	1A12
Jim Baker	21st Century Media, Inc.	Users/S63	Distance Learning on the Mac	Thursday	4:00 pm – 5:15 pm	1A07
David Barrett	R/com Networks, Inc.	Users/S08	Learning to Use a DV Camera	Wednesday	12:30 pm – 1:45 pm	1A06
		Users/S28	Editing Techniques for iMovie	Wednesday	3:30 pm – 4:45 pm	1A06
		Users/S33	DV Technologies in the Classroom	Thursday	11:00 am – 12:15 pm	1A06
		Users/S68	Filmmaker in 60 Minutes	Thursday	4:00 pm – 5:15 pm	1A06
		MacLabs/LE	Final Cut Pro Hands-on — The Director's Cut	Friday	9:00 am – 1:00 pm	1A06
Michael Bayer	Computer Telephony Solutions	Users/S44	The Total Communications Solution: Integrating Voice, Data, and Applications for the Home and Small Business	Thursday	1:00 pm – 2:15 pm	1A08
Lewis Bean	GTSI	BOF	Join GTSI & Apple for a Government Macintosh User	Thursday	6:00 pm – 7:30 pm	1E09
Todd Benjamin	Apple	Pro/C35	Power Mac and Server Insights from Apple	Thursday	11:00 am – 12:30 pm	1E10
Jennifer Bennett	Grass Roots Consulting	Users/S36	Just Flash It!	Thursday	11:00 am – 12:15 pm	1A08
Daniel Berube	noisybrain. Productions	Power Tools/PD	Basic Authoring and Assembly	Monday	2:45 pm – 4:30 pm	1E13
Dennis Biela	Way Ahead Group	Workshop/WE	MultiNodes: The QuickTime VR SuperSession	Tuesday	10:00 am – 5:00 pm	1A14
		Users/S59	Making Great Visual QTVR	Thursday	2:30 pm – 3:45 pm	1A14
Steven H. Blackwell	Management Counseling Services	Power Tools/PC	Congratulations: You've Compromised the Security of Your Filmmaker Pro Database	Tuesday	1:30 pm – 3:00 pm	1E09
Chris Breen	Macworld	Workshop/WJ	Chris Breen's Massive Mac Brain Dump from Punk to Power User in One Day	Tuesday	10:00 am – 5:00 pm	1A24
Lisa Brenneis	Author	Power Tools/PB	Opening Remarks: Final Cut Pro	Monday	9:00 am – 9:15 am	1E10
Bill Briggs	Consultant	Power Tools/PE	AppleScript by Design	Tuesday	9:00 am – 10:30 am	1E15
		MacBeginnings/MB01	Mac 101	Wednesday	1:00 pm – 2:00 pm	Booth #173
		MacBeginnings/MB02	Mac 102	Wednesday	3:00 pm – 4:00 pm	Booth #173
		MacBeginnings/MB05	Mac 101	Friday	11:00 am – 12:00 pm	Booth #173
		MacBeginnings/MB06	Mac 102	Friday	1:00 pm – 2:00 pm	Booth #173
Jonathan Bringham	Student	BOF	UNIX Command Line Essentials	Thursday	6:00 pm – 7:30 pm	1E10
Cys Bronner	World Without Borders	Users/S45	Putting Your Small Business Community on the Web: What the Web Can, and Can't Do, for Your Business	Thursday	1:00 pm – 2:15 pm	1A23
Doug Brooks	Apple	Pro/C35	Power Mac and Server Insights from Apple	Thursday	11:00 am – 12:30 pm	1E10
Russell Preston Brown	Adobe Systems, Inc.	Power Tools/PA	Russell's Wacky PS 7 Power Hour	Monday	9:00 am – 10:15 am	1E08
Ann Cantrell	Apple	Pro/C34	The State of Mac OS X in Science & High Performance Computing	Thursday	11:00 am – 12:30 pm	1E15
Frank Casanova	Apple	Pro/C32	MPEG-4 and the State of Streaming Media	Thursday	11:00 am – 12:30 pm	1E08
Dennis Cheung	Microsoft	Users/S57	Microsoft Entourage X for Mac	Thursday	2:30 pm – 3:45 pm	1A07
Jai Chulani	Apple	Users/S05	Your New iMac – Inside and Out	Wednesday	12:30 pm – 1:45 pm	1A23
Guy Cochran	DVcreators.net	Pro/C42	Inside Final Cut Pro 3	Thursday	1:30 pm – 3:00 pm	1E08
Sandee Cohen	Author/Consultant	Workshop/WH	Integrating Professional Publishing Tools	Tuesday	10:00 am – 5:00 pm	1A23
		Users/S27	It's the FONTS!	Wednesday	3:30 pm – 4:45 pm	1A21
Gavin Cook	Genentech, Inc.	Pro/C61	Integrating Mac OS X into Existing Corporate Networks Sharing the Sandbox	Friday	9:00 am – 10:30 am	1E15
Malcolm Crawford	FrontBase, Inc.	Power Tools/PE	Using AppleScript to Access a Relational Database	Tuesday	10:45 am – 12:30 pm	1E15
		Pro/C04	An Introduction to NetInfo	Wednesday	12:30 pm – 2:00 pm	1E15
Jason E. Davies	BIAS, Inc.	Users/S52	Audio CD Mastering for Musicians	Thursday	2:30 pm – 3:45 pm	1A08



Conference Faculty

Speaker Name	Company	Session #	Session Name	Day	Time	Location
Nick DeMartino	American Film Institute	Pro/C52	AFI Presents: Digital Filmmaking at the Crossroads... A Digital Cinema Case Study	Thursday	3:15 pm – 4:45 pm	1E13
James Dempsey	Apple Technical Training	Users/S17	A Voyage with Darwin	Wednesday	2:00 pm – 3:15 pm	1A21
		Pro/C24	Mac OS X System Administration Concepts	Wednesday	4:00 pm – 5:30 pm	1E10
Stuart DeSpain	Microsoft	Users/S47	Microsoft® Office v. X for Mac	Thursday	1:00 pm – 2:15 pm	1A24
Katrin Eismann	Author	Power Tools/PA	Real World Masking and Compositing	Monday	2:15 pm – 3:30 pm	1E08
		Power Tools/PA	Professional Retouching Techniques	Monday	3:45 pm – 5:00 pm	1E08
Adam C. Engst	TidBITS	Users/S09	Getting Started with iPhoto	Wednesday	12:30 pm – 1:45 pm	1A24
Dr. Steven M. Erde	Cornell University Medical College	Pro/C31	Beyond the Firewall: Tools and Techniques for Internet Security	Thursday	11:00 am – 12:30 pm	1E13
Andy Espo	Call Andy! Macintosh Consulting	Users/S23	How to Talk To Tech Support (and Win!)	Wednesday	3:30 pm – 4:45 pm	1A14
		Users/S31	How the Pros Troubleshoot Macintosh	Thursday	11:00 am – 12:15 pm	1A24
Mary B. Farquhar & Peter Farquhar	TomboMedia	Users/S14	The Digital Archiving of Family History, Part 1 Planning Your Project: Ideas and Examples	Wednesday	2:00 pm – 3:15 pm	1A12
		Users/S24	The Digital Archiving of Family History, Part 2 Designing Your Project: Techniques, Procedures & Resources	Wednesday	3:30 pm – 4:45 pm	1A12
Adam Fingerman	Roxio, Inc.	Users/S52	Audio CD Mastering for Musicians	Thursday	2:30 pm – 3:45 pm	1A08
Nick Floro	Sealworks, Inc.	Workshop/WC	How to Create, Produce, Deliver Interactive Solutions	Tuesday	10:00 am – 5:00 pm	1A12
		Pro/C22	QuickTime on the Web	Wednesday	4:00 pm – 5:30 pm	1E08
		Users/S64	Your First DVD	Thursday	4:00 pm – 5:15 pm	1A12
Richard V. Ford	Packeteer, Inc.	Pro/C71	Network Q&A – Ask the Experts	Friday	10:45 am – 12:15 pm	1E08
Rick Fortin	Corel Corp.	Users/S39	Extending iPhoto	Thursday	11:00 am – 12:15 pm	1A14
Dan Frakes	InformNIT	Users/S11	Using the Classic Environment in Mac OS X	Wednesday	2:00 pm – 3:15 pm	1A06
		Users/S41	Troubleshooting Mac OS X	Thursday	1:00 pm – 2:15 pm	1A06
Bob Fraser	Apple	Pro/C54	Server-Side Java Development for Mac OS X	Thursday	3:15 pm – 4:45 pm	1E10
Stephen Gallagher	FileMaker, Inc.	Power Tools/PC	FileMaker Product Line Q & A	Monday	9:00 am – 10:00 am	1E09
Phil Goodman	Goodman Consulting	Users/S25	Mac OS X — PC Integration Issues	Wednesday	3:30 pm – 4:45 pm	1A24
		Users/S31	How the Pros Troubleshoot Macintosh	Thursday	11:00 am – 12:15 pm	1A24
Chuck Goolsbee	digital, forest, Inc.	Pro/C74	Building and Maintaining a Macintosh Data Center (Update to include XServe!)	Friday	10:45 – 12:15	1E09
Ken Haase	Proxim, Inc.	Users/S54	How and Why to Wirelessly Network Your Home or Office	Thursday	2:30 pm – 3:45 pm	1A23
Doug Hanley	MacTEK	Users/S15	Marketing with Mac OS X for Consultants	Wednesday	2:00 pm – 3:15 pm	1A24
Keith Hatounian	Apple	Workshop/WF	QuickTime Streaming Workshop	Tuesday	10:00 am – 5:00 pm	1A06
Jim Heid	Author/Producer	Users/S56	Secrets of the Macintosh Digital Hub	Thursday	2:30 pm – 3:45 pm	1A24
Hal Hinderliter	Hinderliter Consulting and Creative Services	Pro/C33	Acrobat Tips for Power Users	Thursday	11:00 am – 12:30 pm	1E09
		MacLabs/LD	Acrobat in the Trenches: Combat Training for PDF Production	Friday	9:00 am – 1:00 pm	1A23
Patrick Hunt	Strategux Consulting, Inc.	Users/S37	X Tips and Tools for Practicing Information Architecture on the Mac	Thursday	11:00 am – 12:15 am	1A23
Cris Ippolite	iSolutions, Inc.	Power Tools/PC	Effective FileMaker Solutions Development	Monday	1:00 pm – 2:30 pm	1E09
		Power Tools/PC	FileMaker and Web Technologies	Tuesday	10:45 am – 12:30 pm	1E09
Mark Jeffries	Genentech, Inc.	Pro/C61	Integrating Mac OS X into Existing Corporate Networks Part II: Sharing the Sandbox	Friday	9:00 am – 10:30 am	1E15
Steve Jobs	Apple	Keynote	Macworld Conference & Expo Keynote	Wednesday	9:00 am – 10:30 am	3A
Chuck Joiner	The MUG Center	BOF	Mega Macintosh User Group Meeting!	Thursday	6:00 pm – 7:30 pm	1E15
Shawn King	Your Mac Life	Pro/C32	MPEG-4 and the State of Streaming Media	Thursday	11:00 am – 12:30 pm	1E08
Jason Klivington	Apple	Pro/C34	The State of Mac OS X in Science & High Performance Computing	Thursday	11:00 am – 12:30 pm	1E15
Chuck La Tournous	RandomMaccess.com/ CorporateMac.com	Pro/C25	The Corporate Mac Survival Guide	Wednesday	4:00 pm – 5:30 pm	1E15
Marc LaFountain	Capital One	Pro/C45	Admin Tool Spotlight – Getting the Most Out of Timbuktu Pro	Thursday	1:30 pm – 3:00 pm	1E09
Ted Landau	MacFixIt	Users/S11	Using the Classic Environment in Mac OS X	Wednesday	2:00 pm – 3:15 pm	1A06
		Users/S41	Troubleshooting Mac OS X	Thursday	1:00 pm – 2:15 pm	1A06

Speaker Name	Company	Session #	Session Name	Day	Time	Location
Maria Langer	Flying M Productions	Users/S45	Putting Your Small Business Community on the Web: What the Web Can, and Can't Do, for Your Business	Thursday	1:00 pm – 2:15 pm	1A23
Andy Lecates	FileMaker, Inc.	Power Tools/PC	Relational Database Design	Monday	10:15 am – 12:00 pm	1E09
Michael E. Levine	Pileated Pictures	Users/S69	Case Study: Flash at Work – A Real-World Application of Flash as a Marketing Tool	Thursday	4:00 pm – 5:15 pm	1A23
Bob LeVitus	Author	Workshop/WD	Dr. Mac Presents: How to Become a Mac OS X Power User	Tuesday	10:00 am – 5:00 pm	1A10
		Users/S01	Making the Transition to Mac OS X	Wednesday	12:30 pm – 1:45 pm	1A10
		MacBeginnings/MB03	Getting Started with Mac OS X	Thursday	11:00 am – 12:00 pm	Booth #173
		Users/S51	Mac OS X Freeware, Shareware and Otherware	Thursday	2:30 pm – 3:45 pm	1A10
Benjamin Levy	Solutions Consulting	Users/S31	How the Pros Troubleshoot Macintosh	Thursday	11:00 am – 12:15 pm	1A24
		Users/S67	Creating Bootable Troubleshooting and Installation CDs: See It Done & Learn How	Thursday	4:00 pm – 5:15 pm	1A08
Mark Lilback	Runtime Labs, Inc.	BOF	SQL Databases and Mac OS X	Wednesday	6:00 pm – 7:30 pm	1E09
Rick Lucas	Digital Attributes, Chromaticity, Lucas Imaging Assoc.	Pro/C13	Real World ColorSync, Part 1	Wednesday	2:15 pm – 3:45 pm	1E09
		Pro/C23	Real World ColorSync, Part 2	Wednesday	4:00 pm – 5:30 pm	1E09
Tim Lundeen	Web Crossing, Inc.	Users/S45	Putting Your Small Business Community on the Web: What the Web Can, and Can't Do, for Your Business	Thursday	1:00 pm – 2:15 pm	1A23
Danny Mack	New Millennium Communications	Power Tools/PC	FileMaker as a Business Tool	Tuesday	3:15 pm – 4:45 pm	1E09
Ron Marx	ronMarx Information Design	Pro/C65	Mac Managers: An Evolving Manual for the Successful Mac Manager	Friday	9:00 am – 10:30 am	1E08
David Mash	Berklee College of Music	Users/S12	Mac OS X for Musicians	Wednesday	2:00 pm – 3:15 pm	1A08
		Users/S22	The Macintosh Musical Instruments	Wednesday	3:30 pm – 4:45 pm	1A08
Scott McCulley	The Interpublic Group of Companies	Pro/C31	Beyond the Firewall: Tools and Techniques for Internet Security	Thursday	11:00 am – 12:30 pm	1E13
Wendy McDowell	Apple	Users/S04	Living the Digital Lifestyle with iMac	Wednesday	12:30 pm – 1:45 pm	1A12
Josh Mellicker & Guy Cochran	DVcreators.net	Power Tools/PB	Final Cut Pro Project Overview, Process & Management	Monday	9:00 am – 9:15 am	1E10
		Power Tools/PB	Building the Ultimate Desktop Movie Studio	Monday	9:15 am – 10:30 am	1E10
		Power Tools/PB	Editing Essentials	Monday	10:30 am – 12:00 pm	1E10
		Power Tools/PB	Killer Title Techniques — Art & Function	Monday	1:00 pm – 1:45 pm	1E10
		Power Tools/PB	Transitions & Filters	Monday	1:45 pm – 2:45 pm	1E10
		Power Tools/PB	Keyframing, Compositing & Motion Graphics	Monday	3:00 pm – 4:15 pm	1E10
		Power Tools/PB	Audio Post Production	Monday	4:15 pm – 5:30 pm	1E10
		Power Tools/PB	Advanced Editing	Tuesday	9:00 am – 10:15 am	1E10
		Power Tools/PB	Editing Aesthetics & Storytelling	Tuesday	10:30 am – 11:45 am	1E10
		Power Tools/PB	Software Integration	Tuesday	12:45 pm – 2:00 pm	1E10
		Power Tools/PB	Hollywood Special Effects	Tuesday	2:15 pm – 3:30 pm	1E10
		Power Tools/PB	Final Mastering & Output	Tuesday	3:45 pm – 5:00 pm	1E10
		Users/S48	Shooting Great DV	Thursday	1:00 pm – 2:15 pm	1A21
Vince Menanno	Waves in Motion	Power Tools/PC	The Power of Plug-Ins	Monday	4:30 pm – 6:00 pm	1E09
Jon Meyer	Digital Attributes	Pro/C13	Real World ColorSync, Part 1	Wednesday	2:15 pm – 3:45 pm	1E09
		Pro/C23	Real World ColorSync, Part 2	Wednesday	4:00 pm – 5:30 pm	1E09
Bert Monroy	Digital Photo-RealistPainter/Illustrator	Users/S06	Photoshop Digital Creation: Uncanny Realism	Wednesday	12:30 pm – 1:45 pm	1A21
John Mulhern III	University of Pennsylvania	Users/S13	Transitioning to Mac OS X in Higher Education	Wednesday	2:00 pm – 3:15 pm	1A07
Scott Myers	Desktop Laboratories, Inc.	Users/S03	Science Education	Wednesday	12:30 pm – 1:45 pm	1A07
John Nack	Adobe Systems, Inc.	Users/S66	Photoshop for Mac OS X	Thursday	4:00 pm – 5:15 pm	1A14
Bruce Nazarian	Gnome Digital Media	Power Tools/PD	DVD Studio Pro v1.5 Basics Q & A	Monday	9:00 am – 10:00 am	1E13
		Power Tools/PD	Proper DVD Design Concepts	Monday	10:15 am – 12:00 pm	1E13
		Power Tools/PD	Stupid Encoding Tricks	Monday	1:00 pm – 2:30 pm	1E13
		Power Tools/PD	Basic Scripting and Hybrid DVDs	Tuesday	9:00 am – 10:30 am	1E13
		Power Tools/PD	Photoshop DVD Menu Survival Tactics	Tuesday	10:45 am – 12:30 pm	1E13
		Power Tools/PD	Advanced Scripting & Web Linking DVD & @ccess	Tuesday	1:30 pm – 3:00 pm	1E13
		Power Tools/PD	Advanced Menus – Motion Menus: Final Cut, After Effects	Tuesday	3:15 pm – 4:45 pm	1E13
		Power Tools/PD	DVD Studio Pro Experts Panel Q & A	Tuesday	5:00 pm – 6:00 pm	1E13
		Pro/C53	DVD Now Means: Digital Visionary Device!	Thursday	3:15 pm – 4:45 pm	1E09
		MacLabs/LB	Get Author-ized with DVD Studio Pro!	Friday	9:00 am – 1:00 pm	1A07



Conference Faculty

Speaker Name	Company	Session #	Session Name	Day	Time	Location
Richard Navin	Digital Media Center at Brooklyn College	Pro/C53	Designers Designing Education	Thursday	2:30 pm – 3:45 pm	1A12
Dan Newsom	Berklee College of Music	Pro/S62	Making CDs from Your Old Music Collection	Thursday	4:00 pm – 5:15 pm	1A21
Michael Ninness	Microsoft	Power Tools/PA	Digital Imaging Essentials	Monday	10:30 am – 11:45 am	1E08
		Power Tools/PA	Layer Secrets	Monday	12:45 pm – 2:00 pm	1E08
		Power Tools/PA	All About Type	Tuesday	9:00 am – 10:15 am	1E08
		Power Tools/PA	Special Effects	Tuesday	10:30 am – 11:45 am	1E08
		Power Tools/PA	Color Management – In Plain English Please	Tuesday	12:45 pm – 2:00 pm	1E08
		Power Tools/PA	Taking It to the Web	Tuesday	2:15 pm – 3:30 pm	1E08
		Power Tools/PA	Automation: Photoshop for Lazy People	Tuesday	3:45 pm – 5:00 pm	1E08
Doug Nomura	Ories Scientific	Pro/C31	Beyond the Firewall: Tools and Techniques for Internet Security	Thursday	11:00 am – 12:30 pm	1E13
Kevin O'Connor	Publishing & Design Workflow Consulting	Pro/C03	ColorSync and Imaging in OS X; An Intro	Wednesday	12:30 pm – 2:00 pm	1E09
John Mark Osborne	Database Pros	Power Tools/PC	Intermediate Scripting & Calculations	Monday	2:45 pm – 4:15 pm	1E09
		Power Tools/PC	Advanced Scripting & Calculations	Tuesday	9:00 am – 10:30 am	1E09
		Power Tools/PC	FileMaker Pro Experts Panel Q & A	Tuesday	5:00 pm – 6:00 pm	1E09
David Pogue	Author	Users/S18	Making iMovies with David Pogue	Wednesday	2:00 pm – 3:15 pm	1A10
		Feature Presentation	Toward Mac OS XX	Thursday	9:30 am – 10:30 pm	Special Events Hall
		Users/S34	PalmPilot and Macintosh – A Match Synched in Heaven	Thursday	11:00 am – 12:15 pm	1A10
		Users/S61	Best of Mac Secrets	Thursday	4:00 pm – 5:15 pm	1A10
Ernest Prabhakar	Apple	Pro/C64	Open Source on Mac OS X	Friday	9:00 am – 10:30 am	1E10
Noah Price	Apple	Users/S05	Your New iMac – Inside and Out	Wednesday	12:30 pm – 1:45 pm	1A23
Schoun P. Regan	The Mac Trainers, Inc.	Pro/C05	OS X Training for Users and Admins: Training Mac Managers and Their Users How to Make the Most of the Mac on Their Desks	Wednesday	12:30 pm – 2:00 pm	1E10
		Pro/C41	Mac OS X Server: In-Depth	Thursday	1:30 pm – 3:00 pm	1E10
		MacLabs/LC	Hands-on Mac OS X for Administrators	Friday	9:00 am – 1:00 pm	1A08
Patrick Rhone	[machine]METHODS	Users/S23	How to Talk To Tech Support (and Win!)	Wednesday	3:30 pm – 4:45 pm	1A14
Dave Roberts	Mark of the Unicorn	Users/S32	How to Set Up a Home Recording Studio	Thursday	11:00 am – 12:15 pm	1A07
Leonard Rosenthal	PDF Sages	Pro/C14	Using Unix Software with Mac OS X	Wednesday	2:15 pm – 3:45 pm	1E15
		Pro/C43	PDF Best Practices – Interactive Documents for Mass Distribution	Thursday	1:30 pm – 3:00 pm	1E15
Scott Scheinbaum	Atomic Digital Consulting	Users/S02	The Beginner's Guide to Music on the Mac	Wednesday	12:30 pm – 1:45 pm	1A08
Joe Schorr	Extensis	Pro/C63	Preflighting: How Printers and Publishers Can Save Money Together	Friday	9:00 am – 10:30 am	1E13
		Pro/C72	Creating Order from Your Digital Chaos	Friday	10:45 am – 12:15 pm	1E13
Deborah Shadovitz	Author/Trainer/Consultant	Workshop/WG	Mac Efficiency and Power User Tips	Tuesday	10:00 am – 5:00 pm	1A22
		MacBeginnings/MB01	Mac 101	Wednesday	1:00 pm – 2:00 pm	Booth #173
		MacBeginnings/MB02	Mac 102	Wednesday	3:00 pm – 4:00 pm	Booth #173
		MacBeginnings/MB05	Mac 101	Friday	11:00 am – 12:00 pm	Booth #173
		MacBeginnings/MB06	Mac 102	Friday	1:00 pm – 2:00 pm	Booth #173
Scott Sheppard	www.OSXFAQ.com	Users/S21	Mac OS X Web Server Administration Using 3rd Party Tools	Wednesday	3:30 pm – 4:45 pm	1A07
		MacBeginnings/MB03	Getting Started with Mac OS X	Thursday	11:00 am – 12:00 pm	Booth #173
Rich Shupe	FMA	Pro/C02	Advanced QuickTime Features	Wednesday	12:30 pm – 2:00 pm	1E13
		Users/S46	Energizing Flash Projects	Thursday	1:00 pm – 2:15 pm	1A12
		MacLabs/LA	Flash 5 ActionScript for Designers	Friday	9:00 am – 1:00 pm	1A12
Cal Simone	Main Event Software, Inc.	Power Tools/PE	Advanced AppleScripting	Tuesday	3:15 pm – 4:45 pm	1E15
		BOF	AppleScript Q & A	Wednesday	6:00 pm – 7:30 pm	1E15
		Pro/C75	Advanced AppleScripting	Friday	10:45 am – 12:15 pm	1E15
Erik Slavin	Producer	Power Tools/PD	Build it and Deliver it! – DVD-R, DLT, and More!	Monday	4:45 pm – 6:00 pm	1E13
Dori Smith	Author	Workshop/WA	Advanced Webmaster Applications	Tuesday	10:00 am – 5:00 pm	1A07
Rick Smolan	Against All Odds Productions	Users/S29	Everything You Always Wanted to Know About iPhoto	Wednesday	3:30 pm – 4:45 pm	1A10

Speaker Name	Company	Session #	Session Name	Day	Time	Location
Sal Soghoian	Apple	Power Tools/PE	Opening Remarks: AppleScript Technology Today and Tomorrow	Monday	9:00 am – 10:00 am	1E15
		Power Tools/PE	Welcome to My World – Sal's Favorite Hacks, Tips & Tricks	Monday	10:15 am – 12:00 pm	1E15
		Power Tools/PE	Introduction to AppleScript Studio	Monday	1:00 pm – 2:30 pm	1E15
		Power Tools/PE	Building Applications with AppleScript Studio	Monday	2:45 pm – 5:15 pm	1E15
		Power Tools/PE	AppleScript Experts Panel Q & A	Tuesday	5:00 pm – 6:00 pm	1E15
		Users/S07	Inside AppleScript Studio	Wednesday	12:30 pm – 1:45 pm	1A14
Daniel H. Steinberg	Dim Sum Thinking, Inc.	Pro/C44	Mac OS X Programming in Java	Thursday	1:30 pm – 3:00 pm	1E13
Sharon Steuer	Artist/Author	Users/S26	Creative Thinking in Photoshop: A New Approach to Digital Art	Wednesday	3:30 pm – 4:45 pm	1A23
Rhonda Stratton	Apple	Users/S55	QuickTime Pro Tips and Tricks	Thursday	2:30 pm – 3:45 pm	1A06
Duane Straub	Lawrence Livermore National Laboratory	Pro/C05	OS X Training for Users and Admins: Training Mac Managers and Their Users How to Make the Most of the Mac on Their Desks	Wednesday	12:30 pm – 2:00 pm	1E10
Paul Suh	Apple	Pro/C11	Network Security in Mac OS X	Wednesday	2:15 pm – 3:45 pm	1E13
Corey Tamás	MacGamer.com	Users/S42	Macworld Conference and Expo Gaming Round-Up	Thursday	1:00 pm – 2:15 pm	1A10
John Thorsen, Jr.	TECSoft	Power Tools/PE	AppleScript for Creative Workflows	Tuesday	1:30 pm – 3:00 pm	1E15
		Pro/C73	Introduction to AppleScript for Creative Workflows	Friday	10:45 am – 12:15 pm	1E10
John Tomeny	Sassafras Software, Inc.	Pro/C55	Surviving a Software Audit with Effective Software Management	Thursday	3:15 pm – 4:45 pm	1E15
Scott Traylor	360KID	Users/S16	Dynamic Messages/Narrow Pipe	Wednesday	2:00 pm – 3:15 pm	1A23
Steve Upton	CHROMiX	Pro/C13	Real World ColorSync, Part 1	Wednesday	2:15 pm – 3:45 pm	1E09
		Pro/C23	Real World ColorSync, Part 2	Wednesday	4:00 pm – 5:30 pm	1E09
Michael Uy	Apple	Users/S38	Getting Started with Home Movie Making	Thursday	11:00 am – 12:15 pm	1A21
		Users/S58	Getting the Most Out of iMovie: Tips and Tricks for Advanced Movie Making	Thursday	2:30 pm – 3:45 pm	1A21
Clifford E. VanMeter	PlayBox Media, Inc.	Users/S65	Authoring Interactive QuickTime with Adobe GoLive 6	Thursday	4:00 pm – 5:15 pm	1A24
Bill Vlahos	Jet Propulsion Laboratory	Pro/C21	Advanced AirPort Networking	Wednesday	4:00 pm – 5:30 pm	1E13
		B0F	Beyond HyperCard: Revolution	Wednesday	6:00 pm – 7:30 pm	1E10
		Users/S35	Wireless Networking Essentials	Thursday	11:00 am – 12:15 pm	1A12
		Users/S56	Wireless Networking Essentials	Thursday	2:30 pm – 3:45 pm	1A24
Jeffrey Weiss	Baruch College	Users/S43	MediaBooks: The Future of Education	Thursday	1:00 pm – 2:15 pm	1A07
John C. Welch	MIT Police Department	Workshop/WI	Mac OS X in Depth	Tuesday	10:00 am – 5:00 pm	1A21
		Pro/C15	Managing Mac OS X in Higher Ed	Wednesday	2:15 pm – 3:45 pm	1E10
		Pro/C51	Mac OS X Tools for the Mac Network Manager	Thursday	3:15 pm – 4:45 pm	1E08
Doug Werner	Apple	Pro/C12	QuickTime Compression Secrets	Wednesday	2:15 pm – 3:45 pm	1E08
Thomas Weyer	Apple	Pro/C01	Mac Networking Update	Wednesday	12:30 pm – 2:00 pm	1E08
		Pro/C71	Network Q&A – Ask the Experts	Friday	10:45 am – 12:15 pm	1E08
Kevin M. White	The Mac Trainers, Inc.	Pro/C41	Mac OS X Server: In-Depth	Thursday	1:30 pm – 3:00 pm	1E10
Ginny Williams	MIT IS	Pro/C15	Managing Mac OS X in Higher Ed	Wednesday	2:15 pm – 3:45 pm	1E10
Al Willis	MIT IS	Pro/C15	Managing Mac OS X in Higher Ed	Wednesday	2:15 pm – 3:45 pm	1E10
Gary Winick	Independent Digital Entertainment (InDigEnt)	Pro/C52	AFI Presents: Digital Filmmaking at the Crossroads... A Digital Cinema Case Study	Thursday	3:15 pm – 4:45 pm	1E13
John Zimmerer	Apple	Pro/C13	Real World ColorSync, Part 1	Wednesday	2:15 pm – 3:45 pm	1E09
		Pro/C23	Real World ColorSync, Part 2	Wednesday	4:00 pm – 5:30 pm	1E09
TBA		MacBeginnings/MB04	Making the Internet Safe for Your Children	Thursday	3:00 pm – 4:00 pm	Booth #173



Exhibitor Listing – Alphabetical

as of 5/22/02

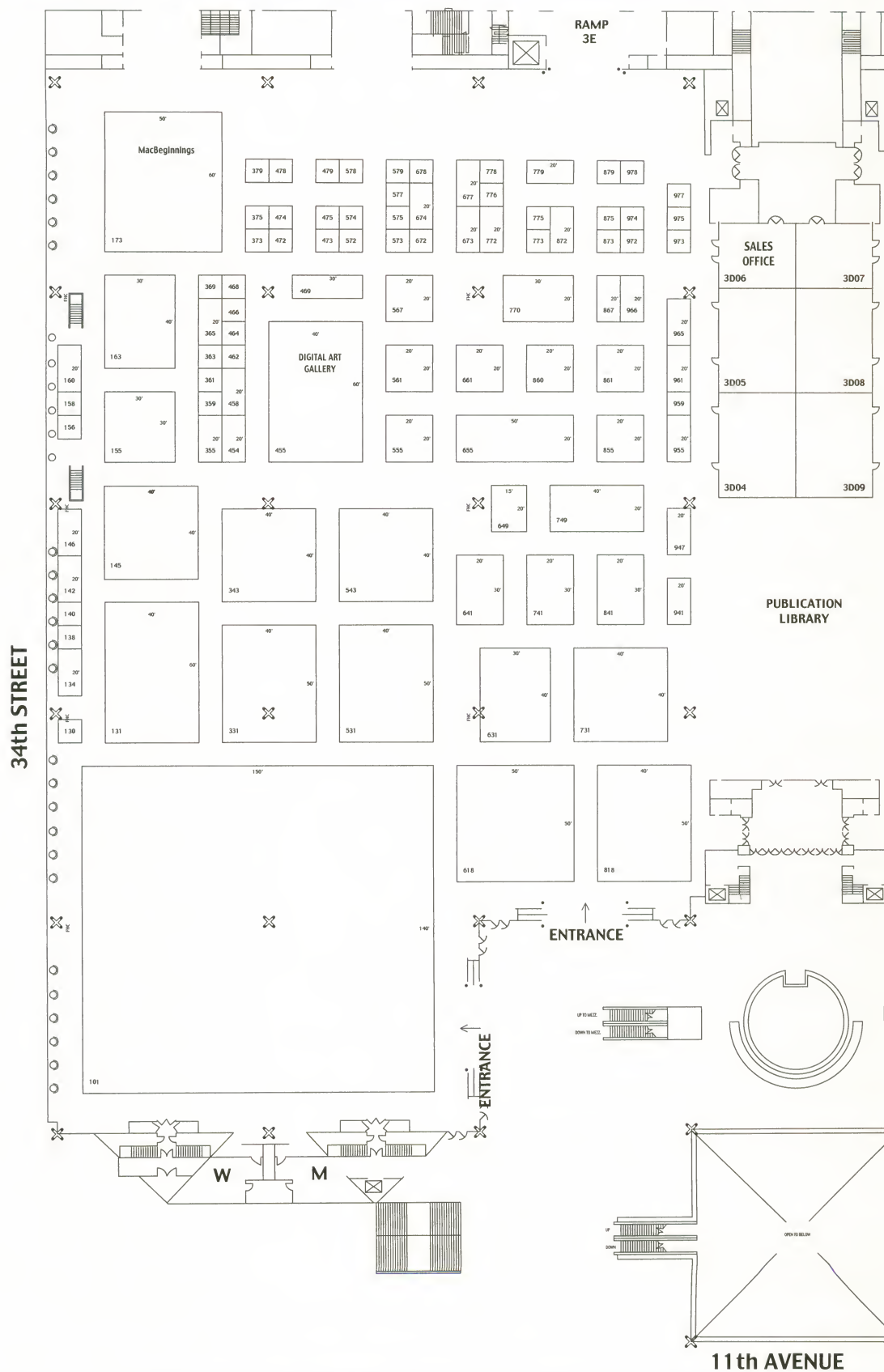
4D, Inc.	1342	Griffin Technology	947	O'Reilly & Associates, Inc.	365
ACARD Technology Corporation	1926	Guitar Center	561	OakTree Software, Inc.	1919
ADESSO	959	GVS - Grande Vitesse Systems	1925	Oki Data Americas, Inc.	1931
Alias/Wavefront	860	Harman Multimedia	543	The Omni Group	1657
AIsoft, Inc.	134	Hash, Inc.	1531	OpenBase International, Ltd.	SIA/2023
Anthro Corporation	649	Herman Miller RED	655	Other World Computing	1619
Apple	101	Hewlett-Packard Company	531	OTT-LITE Technology	156
Apple Financial Services	1855	HireKnowledge	1537	Oxford Semiconductor	160
Aridi Computer Graphics, Inc.	1444	Hoodman Corporation	1825	Peachpit Press	661
Asiva®	1431	IBM Consumer Voice Systems	861	Pitsco LEGO Education Division	SIA/2023
Association of Graphic Communications (AGC)	1844	IdN Magazine	1542	Pixologic	1446
Battery Technology, Inc.	130	ImageDJ Corporation	1856	PowerSchool, a division of Apple	SIA/2023
Belkin Components	155	IOGEAR, Inc.	1924	Power On Software	1343
BitHeadz, Inc.	775	lomega Corporation	841	Precision Consulting	458
BookEndz Docking Stations	673	iProof Systems	138	procreate™	818
Borland Software Corporation	SIA/2023	ISI Researchsoft	SIA/2023	Prosoft Engineering, Inc.	SIA/2023
Bretford	1819	ITC wireless	1338	REAL Software	SIA/2023
Canon USA, Inc.	331	J&R Computer World	631	Rocky Mountain Ram	SIA/2023
Canto	1525	JMP, A Business Unit of SAS	SIA/2023	Runtime Labs, Inc.	1347
Celartem Technology USA Inc.	1536	JOBO Fototechnic, Inc.	373	Runtime Revolution Limited	SIA/2023
Century Global, Inc.	875	John Wiley & Sons	1337	S.A. Technologies, Inc.	672
Co-Media Marketing	473	Kaidan Incorporated	578	Sassafras Software, Inc.	140
Comfort Lab, Inc.	1831	Klear Screen & iKlear Apple Polish	773	Shecom Computers/Ikebana	1937
CompuCable Manufacturing Group	355	KTI Networks	475	Shining Technology, Inc.	574
Connectix Corporation	741	Lingo Systems	1543	Shockim	1921
Contour Design, Inc.	872	Linotype Library GmbH	1437	SketchUp by @Last Software	1731
CoolMacStuff.com	1625	M-Audio/Midiman, Inc.	674	SmartDisk Corporation	749
Coriolis Group, The	1341	MacAcademy	1440 & 1441	Smith Micro Software	941
Creo	145	MacAddict	Meeting Room 2D08	Softpress Inc.	SIA/2023
CyberCANDO	1854	MacTech® Magazine	SIA/2023	Softpress Systems Ltd	SIA/2023
Dartware, LLC	SIA/2023	Mac Design Magazine	Meeting Room 2D03	SolidWave, Inc.	SIA/2023
Datadesk Technologies	1436	MacDirectory	1655	Sonnet Technologies, Inc.	641
DevDepot® ..Macworld Conference & Expo Official Store		Mace Group/Macally Peripherals	855	SPSS Inc.	1449
Digital Voodoo	1530	MacHome Magazine	1642	Starry Night	146
Disc Makers	961	MacSolutions, Inc.	972	STEP	1643
Discgear	1648	MacWireless.com	1754	Stone Design	573
Discover America Card	1748	Macworld Magazine	Meeting Room 1A01, 1D05/1D06	Sweetwater	1636
Discreet	1737	Marathon Computer	SIA/2023	Sybase, Inc.	SIA/2023
DriveSavers Data Recovery	SIA/2023	Matias	1451	Techknowsphere Inc.	1661
EarthLink, Inc.	343	Maxtor	1540	Tekserve	567
El Gato Software	1651	MediaBin, Inc.	965	Testing Testing 123	1945
EMedia Magazine	1548	Mediafour	363	thINK4inc.com	1649
eMedia Music	1930	Meeting Maker, Inc.	Meeting Room 2D11	ThinkFree	1539
Eovia Corporation	1331	Metrowerks Corporation	SIA/2023	Unitek	1550
EPSON	131	Micromat Inc.	1346	Universal-Ink.net	973
EUNITEK	1550	Microsoft Corporation	618	Vanteon Corporation	1750
Exabyte Corporation	468	Mitsubishi Digital Electronics America, Inc.	955	VersionTracker.com	575
EZQuest, Inc.	359	Musitek Corporation	873	Virtual Training Company, Inc.	472
Filemaker, Inc.	731	MYOB US, Inc.	1637	VR Toolbox, Inc.	1951
FileWave (USA), Inc.	361	National Instruments Corporation	SIA/2023	WiebeTech LLC	158
FOCUS Enhancements	SIA/2023	NEATO	1349	Witango	1646
Freeverse	1906	NEC/Mitsubishi Electronics Display	454	Wolfram Research	SIA/2023
FrontBase, Inc.	1718	Nemetschek North America	1849	Xerox Network Printers	1519
GLUON, Inc.	577	Netopia, Inc.	369	XtremeMac	555
Graphic Artists Guild	1842	Noble Security Systems	1532		
Granite Digital	572	Northeast Macintosh User Groups	1354		

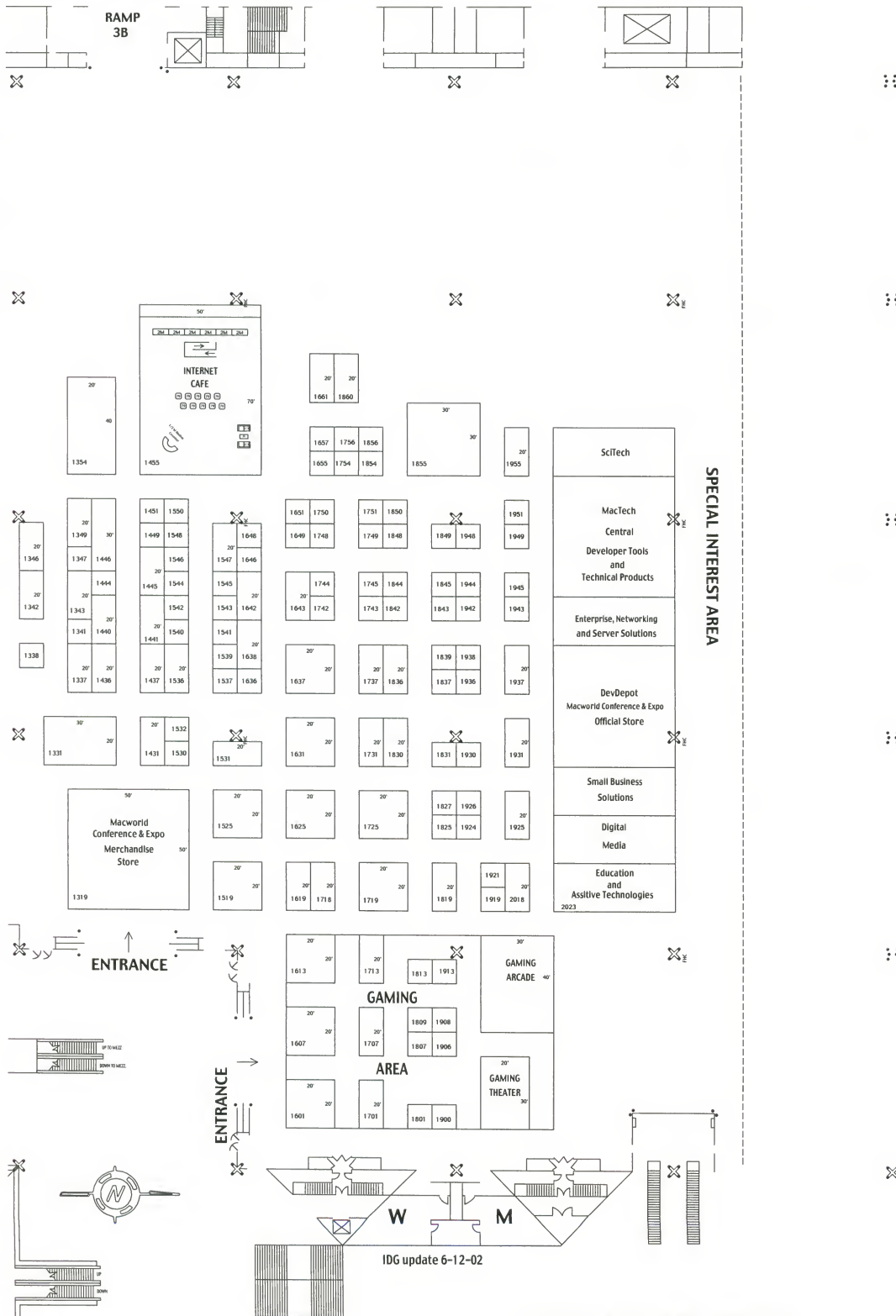
101	Apple	872	Contour Design, Inc.	1731	SketchUp by @Last Software
130	Battery Technology, Inc.	873	Musitek Corporation	1737	Discreet
131	EPSON	875	Century Global, Inc.	1748	Discover America Card
134	AIsoft, Inc.	941	Smith Micro Software	1750	Vanteon Corporation
138	iProof Systems	947	Griffin Technology	1754	MacWireless.com
140	Sassafras Software, Inc.	955	Mitsubishi Digital Electronics America, Inc.	1819	Bretford
145	Creo	959	ADESSO	1825	Hoodman Corporation
146	Starry Night	961	Disc Makers	1831	Comfort Lab, Inc.
155	Belkin Components	965	MediaBin, Inc.	1842	Graphic Artists Guild
156	OTT-LITE Technology	972	MacSolutions, Inc.	1844	Association of Graphic Communications (AGC)
158	WiebeTech LLC	973	Universal-Ink.net	1849	Nemetschek North America
160	Oxford Semiconductor	1331	Eovia Corporation	1854	CyberCANdo
331	Canon USA, Inc.	1337	John Wiley & Sons	1855	Apple Financial Services
343	EarthLink, Inc.	1338	ITC wireless	1856	ImageDJ Corporation
355	CompuCable Manufacturing Group	1341	Coriolis Group, The	1906	Freeverse
359	EZQuest, Inc.	1342	4D, Inc.	1919	OakTree Software, Inc.
361	FileWave (USA), Inc.	1343	Power On Software	1921	Shockim
363	Mediafour	1346	Micromat Inc.	1924	LOGEAR, Inc.
365	O'Reilly & Associates, Inc.	1347	Runtime Labs, Inc.	1925	GVS - Grande Vitesse Systems
369	Netopia, Inc.	1349	NEATO	1926	ACARD Technology Corporation
373	JOBO Fototechnic, Inc.	1354	Northeast Macintosh User Groups	1930	eMedia Music
454	NEC/Mitsubishi Electronics Display	1431	Asiva®	1931	Oki Data Americas, Inc.
458	Precision Consulting	1436	Datadesk Technologies	1937	Shecom Computers/Ikebana
468	Exabyte Corporation	1437	Linotype Library GmbH	1945	Testing Testing 123
472	Virtual Training Company, Inc.	1440 & 1441	MacAcademy	1951	VR Toolbox, Inc.
473	Co-Media Marketing	1444	Aridi Computer Graphics, Inc.	Macworld Conference & Expo Official Store .DevDepot®	
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VFZoom Plug-In for Adobe® Photoshop® allows graphics professionals to seamlessly integrate VFZ and PFZ file formats into their Adobe® Photoshop® workflow. With the VFZ Plug-In, the resolution enhancement benefits of the VFZ and PFZ file formats are easily extended to Photoshop®.

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FileMaker Solutions Alliance Directory and Resource Guide Vol. 8

The FileMaker Solutions Alliance Directory and Resource Guide, produced as both a printed catalog and online provides the latest information about Consultants, Solutions, Training, and Plug-Ins that complement FileMaker Pro. 100,000 copies of this publication is distributed in-box with all FileMaker products and online at: www.filemaker.com
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The QuarkXPress Xtensions Directory

The QuarkXPress Xtensions Directory is a four-color printed digest distributed in-box with QuarkXPress products. The printed and online version offers a target audience of graphic software product buyers at extremely competitive rates. This publication reaches over 100,000 professionals within the graphic design. Your ad will appear online at: http://www.quark.com/products/xtensions/xt_directory.html
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FireXpress 350 USB2 Combo

FireXpress 350 USB 2 Combo is an external HDD enclosure to convert any IDE hard disk drive into a screaming fast USB 2.0/FireWire enabled external storage device. The data stored on the drive is fully accessible with either interface, and do not require special partitions.

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D1 64RT

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New Macintosh scheduling and contact management software for users who need to have their schedules available on Macs, PC's, and PDA's. Offers the ability to share information across platforms, including the Internet.

Runtime Labs, Inc. 1347

121 West 27th Street, Suite 201
New York, NY 10001
(917) 661-0236
info@rtlabs.com
www.rtlabs.com

MacSQL DB Framework

The MacSQL DB Framework provides AppleScript Studio users and Cocoa developers a simple yet powerful way to seamlessly integrate database access with their applications. This new product gives them a collection of objects to communicate with SQL databases such as Oracle, SQL Server, FrontBase, OpenBase, PostgreSQL, and MySQL.



New Product Listings

Sassafras Software, Inc.

140

45 Lyme Road, Suite 309
PO Box 150
Hanover, NH 03755
(603) 643-3351
sales@sassafras.com
www.sassafras.com

KeyAudit XR

This completely new KeyAudit XR automatically performs license compliance audits for Windows and Macintosh clients. Optimized for extremely low overhead, KeyAudit XR will efficiently discover assets on both portable and desktop computers and build reports for the largest enterprise. KeyAudit's software deployment reports can be integrated with active metering and license enforcement when used with Sassafras' award-winning KeyServer.

Shecom Computers/Ikebana

1937

22951 La Palma Avenue
Yorba Linda, CA 92887
(714) 692-7070
ssmee@ikebanadrive.com
www.ikebanadrive.com

Ikebana Fireblaster Firewire DVD+RW/+R

With Ikebana's Fireblaster DVD+RW/+R, you can create high-quality, high-impact DVD movies or use its powerhouse storage capacity to save your favorite original video, photo, music, and data files with quality — and repeatedly! Holds up to 4.7 GB of data, well enough for an entire movie. The quick format function enables instant start of recording.

Ikebana Fireblaster PocketFire Drive

Ultimate portability! Up to 10GB of storage in this 4oz. Firewire drive. Smaller than a pack of playing cards, you can slip the 1-1/8 inch mini drive into your shirt pocket or put it into your purse.

Shining Technology, Inc.

574

10533 Progress Way, Suite C
Cypress, CA 90630
(714) 761-9624
cwang@shining.com
www.shining.com

AVI Companion

AVI Companion capturing AVI streams, images, and files from Firewire/USB/CFA or Analog ports, compressing them and storing them into local disk without the help of computers. Also, an LCD and a TV port are provided for on-line reviewing or simple editing; "AVI Companion" supports internal as well as external batteries.

CitiDISK DV

CitiDISK DV capturing DV streams from Firewire port of camcorder without computers allowing immediate play back or editing from computers. Once the video capturing process is completed, a video file is immediately presented in desktop for immediate editing and played back at the S400 data transfer rate. "CitiDISK DV" supports internal as well as external batteries.

Shockim

1921

2500 Wilshire Boulevard, #1165
Los Angeles, CA 90057
(213) 365-2279
info@shockim.com
www.rhythm3000.com

Rhythm3000

New machine just released to the market used to alleviate symptoms associated with long term computer use such as: carpal tunnel in the wrist from typing, neck and back pain from sitting in one position for an extended period of time.

SketchUp by @Last Software

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www.sketchup.com

SketchUp

Award winning SketchUp is a deceptively simple, amazingly powerful tool for creating, viewing, and modifying 3D ideas quickly and easily. AEC professionals use SketchUp to develop their design ideas from initial concepts to detailing and documentation, as well as communicating ideas to their clients via dynamic 3D presentations and e-mail.

SmartDisk Corporation

749

3506 Mercantile Avenue
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(239) 436-2556
katharen.chamberlain@smartdisk.com
www.smartdisk.com

SmartScan 2700

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SmartScan 3600

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Starry Night Backyard X

Starry Night Backyard X has been upgraded, and is now native to the OS X operating system. Demonstrations featuring Open GL coding and multi-media movies will be conducted throughout the conference.

Starry Night Pro X

Starry Night Pro X has been upgraded, and is now native to the OS X operating system. Demonstrations featuring Open GL coding and multi-media movies will be conducted throughout the conference.

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Witango 5

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Cobra+ 120GB Firewire Hard Drive.....	EZQuest, Inc.
Delta Series PCI Audio Cards (1010, 66 and 44)	M-Audio/Midiman, Inc.
Harman Kardon - Champagne	Harman Multimedia
Harman Kardon - HK19.5	Harman Multimedia
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Harman Kardon - ISub	Harman Multimedia
iMic	Griffin Technology
iWave Speakers.....	Mace Group/Macally Peripherals
JBL - Creature	Harman Multimedia
JBL Sonnet	Harman Multimedia
Omni Studio	M-Audio/Midiman, Inc.
ShuttlePRO	Contour Design, Inc.
Studiophile Reference Monitor Series (SP-5B, SP-8B and SP-8S).....	M-Audio/Midiman, Inc.
USB Audio Interfaces (Duo and Quatro)	M-Audio/Midiman, Inc.

Boards/Cards

AEC-6260 ATA-66 IDE Adapter for PowerMac.....	ACARD Technology Corporation
AEC-6280M ATA-133 IDE Adapter for PowerMac ..	ACARD Technology Corporation
AEC-6712 TUM Ultra SCSI Adapter (20MB/s)	ACARD Technology Corporation
AEC-6712WM Ultra Wide SCSI Adapter (40MB/s) ..	ACARD Technology Corporation
AEC-67160M Ultra160 SCSI Adapter (160MB/s)....	ACARD Technology Corporation
AEC-6860M ATA-66 IDE RAID 0 Adapter for PowerMac.....	ACARD Technology Corporation
Compound	Digital Voodoo
Crescendo G3 and G4 Upgrades for PCI, NuBus, L2, PB, WS, and 7200	Sonnet Technologies, Inc.
Crescendo/WS	Sonnet Technologies, Inc.
D1 64	Digital Voodoo
D1 64lite	Digital Voodoo
D1 64RT	Digital Voodoo
Dual Zenith	Digital Voodoo
Encore/ST	Sonnet Technologies, Inc.
Encore/ZIF	Sonnet Technologies, Inc.
HARMONi	Sonnet Technologies, Inc.
HD Fury	Digital Voodoo
Iridium AD	Digital Voodoo
Iridium AV	Digital Voodoo
Iridium HD	Digital Voodoo
Iridium HDXP	Digital Voodoo
Iridium SD	Digital Voodoo
MacWireless PC Card	MacWireless.com
MacWireless PCI Card	MacWireless.com
MacWireless USB Adapter	MacWireless.com
Tango Firewire/USB	Sonnet Technologies, Inc.
Tempo ATA	Sonnet Technologies, Inc.
Tempo RAID.....	Sonnet Technologies, Inc.
Zenith	Digital Voodoo

Desktops/Desktop Environments/Operating Systems

Apple Care Service	Techknowsphere Inc.
Apple iMac G4	MacSolutions, Inc.
Apple PowerMacs.....	MacSolutions, Inc.
Computer Sales	Techknowsphere Inc.
Digital Hub Workspace	Bretford

Harman Kardon - ISub	Harman Multimedia
Harman Kardon - SoundSticks.....	Harman Multimedia
JBL - Creature	Harman Multimedia
Mac OS 10.1.3	MacSolutions, Inc.
Mac OS 9.1	MacSolutions, Inc.
Macintosh & PowerBook Systems	Tekserve
Marathon DeskMount.....	Marathon Computer
NG-AIM, iMac Lock.....	Noble Security Systems
NG-AIMN, iMac Cable Lock	Noble Security Systems
NG-AMT, Apple Tower Lock	Noble Security Systems
NGAIMP, iMac Plate Lock	Noble Security Systems
OS & Hardware Compatibility Testing	Testing Testing 123
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OWC Mercury G3 & G4 Upgrades	Other World Computing
UH2-UF24 PCI to USB2/Firewire Card.....	Mace Group/Macally Peripherals
XpostFacto	Other World Computing

Digital Cameras/Recorders

360 One VR	Kaidan Incorporated
AVI Companion.....	Shining Technology, Inc.
Digital Hub Workspace	Bretford
Elura 40MC Digital Camcorder	Canon USA, Inc.
EOS D60 Digital Camera	Canon USA, Inc.
EyeTV	El Gato Software
FireStore	Focus Enhancements
HP Photosmart digital cameras	Hewlett-Packard Company
KiWi Panoramic Tripod Heads	Kaidan Incorporated
Klear Screen / iKlear Apple Polish	Klear Screen & iKlear Apple Polish
Magellan Object Solutions	Kaidan Incorporated
Meridian Object Solutions	Kaidan Incorporated
Mobile Digital Media Cart	Bretford
Optura 100 Digital Camcorder	Canon USA, Inc.
PiXi Object Turntables.....	Kaidan Incorporated
PowerShot A100 Digital Camera.....	Canon USA, Inc.
PowerShot G2 Digital Camera	Canon USA, Inc.
PowerShot S330 Digital Camera.....	Canon USA, Inc.
Quick Pix Digital Camera	Universal-Ink.net
QuickPan Panoramic Tripod Heads	Kaidan Incorporated
XL1S Digital Camcorder	Canon USA, Inc.
ZR50MC Digital Camcorder	Canon USA, Inc.

Display Devices/Monitors/Projection

ADV to DVI Adapter	CompuCable Manufacturing Group
Digital camera / camcorder hood line	Hoodman Corporation
DVI to ADC Adapter	CompuCable Manufacturing Group
E157 Imac hood	Hoodman Corporation
E2000 powerbook hood.....	Hoodman Corporation
EyeTV	El Gato Software
HP Digital Projectors.....	Hewlett-Packard Company
HP Pavilion Monitors.....	Hewlett-Packard Company
iTView	Focus Enhancements
Klear Screen/iKlear Apple Polish	Klear Screen & iKlear Apple Polish
Lacie 22' blue 3.....	MacSolutions, Inc.
LV-7345 Multimedia Projector	Canon USA, Inc.
Marathon Cinema Display Wallmount	Marathon Computer
Marathon MacVU KVM Switch	Marathon Computer
Marathon Rackmounts for Monitors	Marathon Computer
Mitsubishi Diamond Pro 2060u	NEC/Mitsubishi Electronics Display
Mitsubishi Diamond Pro 920	NEC/Mitsubishi Electronics Display

NEC LCD1700M+	NEC/Mitsubishi Electronics Display
NEC LCD1850X	NEC/Mitsubishi Electronics Display
NEC LCD2110	NEC/Mitsubishi Electronics Display
OTT-LITE® VisionSaver™	OTT-LITE Technology
X500 ColorView Projector	Mitsubishi Digital Electronics America, Inc.
XD200 ColorView Projector	Mitsubishi Digital Electronics America, Inc.
XL1 ColorView Projector	Mitsubishi Digital Electronics America, Inc.

FireWire IEEE 1394

2.5" FireWire enclosure	Century Global, Inc.
3.5" FireWire enclosure	Century Global, Inc.
5.25" FireWire enclosure	Century Global, Inc.
ARENA Disk Array Raid Systems	Mace Group/Macally Peripherals
AVI Companion	Shining Technology, Inc.
Boa 48x12x48 Firewire CDR/W	EZQuest, Inc.
Boa DVDR DVDRW Firewire	EZQuest, Inc.
CitiDISK DV	Shining Technology, Inc.
Cobra+ 120GB Firewire Hard Drive	EZQuest, Inc.
Cobra Slim Line 60GB Firewire Hard Drive	EZQuest, Inc.
External Firewire CD-RW	Shcom Computers/Ikebana
External Firewire DVD+RW/+R	Shcom Computers/Ikebana
External Firewire Hard Drives	Shcom Computers/Ikebana
FireWire 6-Port Hub	Belkin Components
Firewire hard drive	MacSolutions, Inc.
FireWire Notebook Card	Belkin Components
Granite Digital Firewire 6-port Hub	Granite Digital
Granite Digital Firewire Diagnostic Cables	Granite Digital
Granite Digital Firewire DVD Enclosures	Granite Digital
Granite Digital Firewire Gender Changers	Granite Digital
Granite Digital Firewire Hotswap Case Kit	Granite Digital
Granite Digital Firewire PCI Host Adaptor	Granite Digital
Granite Digital Firewire Rack-Mount RAID System	Granite Digital
Granite Digital Firewire RAID Towers	Granite Digital
Granite Digital Firewire SMART Drive Case Kit	Granite Digital
Granite Digital Firewire/IDE Bridgeboards	Granite Digital
Storage Plus	Oxford Semiconductor
Tekserve FireWire Hard drives	Tekserve
ZiPang FW/USB 2.5" enclosure	Century Global, Inc.

Input Devices/Scanners

CanoScan LiDE 20	Canon USA, Inc.
CanoScan LiDE 30	Canon USA, Inc.
EyeTV	El Gato Software
HP Scanjet scanners	Hewlett-Packard Company
iceJr. White USB Optical MiniMouse	Mace Group/Macally Peripherals
iKey USB Extended Keyboard	Mace Group/Macally Peripherals
Intellimedia Pro with 22 Hot Keys	ADESSO
iQSmart Scanners	Creo
MediaNet Pro	ADESSO
MiniPRO	Contour Design, Inc.
OS & Hardware Compatibility Testing	Testing Testing 123
PowerMate	Griffin Technology
PowerScroll USB Mouse	ADESSO
ShuttlePRO	Contour Design, Inc.
Tru-Form Basic USB in "Ice"	ADESSO
Tru-Form USB with Cirque Touchpad	ADESSO
UniMouse	Contour Design, Inc.
USB Basic with White Key Kaps	ADESSO
USB Mini Numeric Keypad	ADESSO

Networking/Connectivity/Communications Equipment

10/100 Media Converters	KTI Networks
10/100/1000 Switches	KTI Networks
Belkin Cable/DSL Gateway Router	Belkin Components
Digital Hub Workspace	Bretford
G3 Docking Station	BookEndz Docking Stations
G4 Docking Station	BookEndz Docking Stations
g4Port	Griffin Technology
HP Wireless Print Server and Jetdirect	
peripheral sharings	Hewlett-Packard Company
iBook Docking Station	BookEndz Docking Stations
MacWireless PC Card	MacWireless.com
MacWireless PCI Card	MacWireless.com
MacWireless USB Adapter	MacWireless.com
UH2-Hub USB 2.0 Hub	Mace Group/Macally Peripherals
Wireless 802.11b Access Point	Belkin Components
Wireless 802.11b Cable/DSL Gateway Router	Belkin Components

Optical Drives/Players

ARS-2030 1-to-3 CD Copy Controller with LCD display	ACARD Technology Corporation
ARS-2032 1-to-7 CD Copy Controller with LCD display	ACARD Technology Corporation
Boa 48x12x48 Firewire CDR/W	EZQuest, Inc.
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EyeTV	El Gato Software
Internal CD-RW	Shecom Computers/Ikebana
Internal DVD+RW	Shecom Computers/Ikebana
Klear Screen / iKlear Apple Polish	Klear Screen & iKlear Apple Polish
Lacie CD-RW Firewire Drive	MacSolutions, Inc.
SmartDisk FireWire Portable CD-R/W	SmartDisk Corporation
WipeOut CD Repair and Care Kits	Universal-Ink.net

Printers/Printing Hardware/Tools

C9200dxn Pro Studio Edition™	Oki Data Americas, Inc.
C9200n Studio Edition™	Oki Data Americas, Inc.
Canon S900 Photo Printer	Canon USA, Inc.
Digital Hub Workspace	Bretford
HP Business Inkjet for workgroups	Hewlett-Packard Company
HP Designjet wide and large-format printers for graphics professionals	Hewlett-Packard Company
HP Deskjet printers	Hewlett-Packard Company
HP LaserJet printers, color, b&w and multi-function	Hewlett-Packard Company
HP Officejet all-in-ones with direct photo printing	Hewlett-Packard Company
HP Photosmart printers with direct photo printing	Hewlett-Packard Company
Phaser 2135	Xerox Network Printers
Phaser 3400	Xerox Network Printers
Phaser 6200	Xerox Network Printers
Phaser 7700	Xerox Network Printers
Phaser 8200	Xerox Network Printers
Printer Repair	Techknowsphere Inc.
Universal ColorFast Inkjet Refill Kits	Universal-Ink.net
Universal Laser Toner and Copier Refill Kits	Universal-Ink.net

Servers & Server Management

lomega NAS Servers	lomega Corporation
Marathon G*Rack	Marathon Computer
Marathon iRack	Marathon Computer
Marathon MacVU KVM Switch	Marathon Computer
Marathon PowerRack	Marathon Computer
Marathon Verizontal Bars	Marathon Computer

Storage Drives & Devices/Memory

2.5" IDE to SCSI Converter	Century Global, Inc.
3 Port FireWire & 3 Port USB 2.0 Combo PCI Card (GUF220)	IOGEAR, Inc.
3.5" IDE to SCSI Converter	Century Global, Inc.
5.25" SCSI enclosure	Century Global, Inc.
AVI Companion	Shining Technology, Inc.
Boa 48x12x48 Firewire CDR/W	EZQuest, Inc.
Boa DVDR DVDRW Firewire	EZQuest, Inc.
CA-805U2 USB 2.0 Universal Enclosure	Mace Group/Macally Peripherals
CitiDISK DV	Shining Technology, Inc.
Cobra+ 120GB Firewire Hard Drive	EZQuest, Inc.
Cobra Slim Line 60GB Firewire Hard Drive	EZQuest, Inc.
DesktopGB	WiebeTech LLC
External Firewire Hard Drives	Shecom Computers/Ikebana
FireFly Hard Drive	SmartDisk Corporation
FireLite Hard Drive	SmartDisk Corporation
FireWire DriveDock	WiebeTech LLC
FireWire KeyChain	WiebeTech LLC
FireXpress 250 USB2 Combo	CompuCable Manufacturing Group
FireXpress 350 USB2 Combo	CompuCable Manufacturing Group

Hard Disk Drives & Memory	Tekserve
Impulse USB 2.0 CD-RW 40x10x40x (GCD401040)	IOGEAR, Inc.
Internal Hard Drive	Shecom Computers/Ikebana
lomega Active Disk Technology	lomega Corporation
lomega HDD Portable and External Hard Drives	lomega Corporation
ION USB 2.0 external 2.5 in. 40GB Hard Drive (GHD125U40)	IOGEAR, Inc.
ION USB 2.0 external 3.5 in. 120GB Hard Drive (GHD135U120)	IOGEAR, Inc.
Marathon FMOS Sliderails	Marathon Computer
Memory	S.A. Technologies, Inc.
Memory Bank USB 2.0 CompactFlash Card Reader (GFR201)	IOGEAR, Inc.
Memory upgrades	MacSolutions, Inc.
MicroGB	WiebeTech LLC
OWC Memory Upgrades	Other World Computing
OWC Mercury FireWire	Other World Computing
Pen Drive	KTI Networks
RAM	S.A. Technologies, Inc.
Storage Plus 1394	Oxford Semiconductor
X-MeM	CompuCable Manufacturing Group
Zip 100 and Zip 250	lomega Corporation

USB

2 Port USB 2.0 CardBus Card (GPU202)	IOGEAR, Inc.
4 Port USB 2.0 Hub (GUH204)	IOGEAR, Inc.
AVI Companion	Shining Technology, Inc.
CoolMac Keyboard	CoolMacStuff.com
Dr. Bott gHub	CoolMacStuff.com
eMouse email mouse	Mace Group/Macally Peripherals
External USB2.0 CD-RW	Shecom Computers/Ikebana
External USB2.0 DVD+RW/+R	Shecom Computers/Ikebana
External USB2.0 Hard Drive	Shecom Computers/Ikebana
EyeTV	El Gato Software
Harman Kardon - iSub	Harman Multimedia
Harman Kardon - SoundSticks	Harman Multimedia
iceMouse White USB Optical Mouse	Mace Group/Macally Peripherals
iMate	Griffin Technology
iOptiNet USB Optical Scroll Mouse	Mace Group/Macally Peripherals
Macally Optical Trackball	MacSolutions, Inc.
MacWireless USB Adapter	MacWireless.com
Marathon MacVU KVM Switch	Marathon Computer
Marathon Rackmounts for Keyboards	Marathon Computer
MiniPRO	Contour Design, Inc.
Nostromo n50 SpeedPad	Belkin Components
PDA HotSync Cables	ITC wireless
Pen Drive	KTI Networks
Piccolo	Sonnet Technologies, Inc.
ShuttlePRO	Contour Design, Inc.
SmartDisk Flash Media Readers	SmartDisk Corporation
SmartDisk Universal Media Reader	SmartDisk Corporation
Smartlink USB 2.0 Networking Cable (GUN202)	IOGEAR, Inc.
UniMouse	Contour Design, Inc.
USB 3-in-1 Phone Charger	ADESSO
USB 4-Port Bus/Self Powered Hub	ADESSO
USB 6-in-1 Media Reader/Writer	Belkin Components
USB Audio Hub	Griffin Technology
USB Chargers for PDA & Mobile Phones	ITC wireless
USB Combo Media Reader/Writer	Belkin Components
USB Keystation Series Keyboards	
(Keystations 49, 61 and Oxygen 8)	M-Audio/Midiman, Inc.
USB Media Reader/Writer for Compact Flash I & II	Belkin Components



Product Categories

USB Media Reader/Writer for Memory Stick	Belkin Components
USB Media Reader/Writer for Secure Digital Media	Belkin Components
USB Media Reader/Writer for Smart Media	Belkin Components
USB Midisport Series (1x1, 2x2, 4x4 and 8x8)	M-Audio/Midiman, Inc.
USB Titanium Bus-Powered Hub	ADESSO
USB2 CardBus Controller	CompuCable Manufacturing Group
USBxformer 2.0	CompuCable Manufacturing Group
ZiPang FW/USB 2.5" enclosure	Century Global, Inc.

Wireless: Laptops/Handhelds/PDS's

Apple Ibook	MacSolutions, Inc.
Apple Powerbooks	MacSolutions, Inc.
Digital Hub Workspace	Bretford
In House Laptop Repair	Techknowsphere Inc.
Klear Screen/iKlear Apple Polish	Klear Screen & iKlear Apple Polish
MacWireless PC Card	MacWireless.com
MacWireless PCI Card	MacWireless.com
MacWireless USB Adapter	MacWireless.com
MC-1400 PB 1400 Battery	Battery Technology, Inc.
MC-500 PB 520/540 Battery	Battery Technology, Inc.
MC-AA/G4 Auto/Air Adapter	Battery Technology, Inc.
MC-AA/iBOOK Auto/Air Adapter (original)	Battery Technology, Inc.
MC-G3 Battery (Wallstree 98)	Battery Technology, Inc.
MC-G3/99 BATTERY	Battery Technology, Inc.
MC-iBOOK BATTERY (ORIGINAL)	Battery Technology, Inc.
MC-iBOOK/2 (WHITE 12")	Battery Technology, Inc.
MC-PS/G4 Power Adapter	Battery Technology, Inc.
MC-PS/iBOOK Ac Adapter (original)	Battery Technology, Inc.
MC-PS1400 Ac Adapter	Battery Technology, Inc.
Mobile Wireless Cart for iBooks	Bretford
Old Banger	JOBO Fototechnic, Inc.
OWC Lap Top Screen Protectors	Other World Computing
PDA Accessories	ITC wireless
PDA HotSync Cables	ITC wireless
PCM-CF PCMCIA to Compact Flash Adapter	Mace Group/Macally Peripherals
The Pod Protector	Other World Computing
PowerBook Batteries	ITC wireless
UH2-HubJr USB 2.0 Jr. Hub	Mace Group/Macally Peripherals
Very Busy Man	JOBO Fototechnic, Inc.

Other Hardware

AEC-7720U IDE-to-Ultra SCSI Converter	ACARD Technology Corporation
AEC-7720UW IDE-to-Ultra Wide SCSI Converter	ACARD Technology Corporation
ARS-2000FW IDE-to-Ultra Wide	
SCSI Cabinet for 3.5" HDD	ACARD Technology Corporation
SCSI Cabinet for 2.5" HDD	ACARD Technology Corporation
Batteries	S.A. Technologies, Inc.
Cobra Slim Line 60GB Firewire Hard Drive	EZQuest, Inc.
Computer Repair	Techknowsphere Inc.
Digital Hub Workspace	Bretford
EyeTV	El Gato Software
G-Rack	Contour Design, Inc.
G-Riser	Contour Design, Inc.
Granite Digital Active Diagnostic Terminators	Granite Digital
Granite Digital SCSI Gold Diagnostic Cables	Granite Digital
High Quality Handsfree Headsets	ITC wireless
iAdaptor - AC adaptor for iBook/PowerBook	Century Global, Inc.
iPod Cradle	BookEndz Docking Stations

iPod Dock	BookEndz Docking Stations
iPod Wrap	BookEndz Docking Stations
JBL - Creature	Harman Multimedia
MacWireless PC Card	MacWireless.com
MacWireless PCI Card	MacWireless.com
MegaView Wall	Mitsubishi Digital Electronics America, Inc.
Microsoft Hardware	Microsoft Corporation
Old Banger	JOBO Fototechnic, Inc.
OTT-LITE® VisionSaver™	OTT-LITE Technology
PowerPod	Griffin Technology
ShuttlePRO	Contour Design, Inc.
UniRiser	Contour Design, Inc.
Very Busy Man	JOBO Fototechnic, Inc.

SOFTWARE

3/D Animation

3D Graphics	Pixologic
Alias Wavefront Maya Dealer	Tekserve
Amapi 3D	Eovia Corporation
Carrara Studio	Eovia Corporation
combustion	Discreet
Digital Hub Workspace	Bretford
Maya	Alias/Wavefront
SketchUp	SketchUp by @Last Software
VectorWorks RenderWorks	Nemetschek North America

Accounting/Finance

MYOB AccountEdge	MYOB US, Inc.
MYOB FirstEdge	MYOB US, Inc.
TimeEqualsMoney	Stone Design

Application Development/Developer Programming Tools

FileMaker Developer Edition	Filemaker, Inc.
LicenserKit™	Stone Design
OmniObjectMeter	The Omni Group

Asset Management

Asset Trustee™	FileWave (USA), Inc.
Cumulus 5.5 - Enterprise Edition	Canto
Cumulus 5.5 - Single User Edition	Canto
Cumulus 5.5 - Workgroup Edition	Canto
MediaBin	MediaBin, Inc.
netOctopus Systems Management Software	Netopia, Inc.

Audio/Music Recording/Editing

Ableton's Live (Sequencing Instrument Software)	M-Audio/Midiman, Inc.
eMedia Bass Method Vol. 1	eMedia Music
eMedia Guitar Method Vol. 1	eMedia Music
Osmosis	BitHeadz, Inc.
Phrazer	BitHeadz, Inc.
Pro Tools:Visual QuickStart Guide	Peachpit Press
Propellerhead's Virtual Studio Software	
(Reason, Recycle and Rebirth)	M-Audio/Midiman, Inc.
ProTools Training CD	Virtual Training Company, Inc.
SmartScore MIDI Edition	Musitek Corporation
SmartScore Pro Edition	Musitek Corporation
SmartScore Songbook Edition	Musitek Corporation
SoundMaker	Micromat Inc.
Unity AS-1	BitHeadz, Inc.

Unity DS-1BitHeadz, Inc.
Unity SessionBitHeadz, Inc.

CAD/CAM

Amapi 3DEovia Corporation
Carrara StudioEovia Corporation
SketchUpSketchUp by @Last Software
VectorWorksNemetschek North America
VectorWorks ARCHITECTNemetschek North America
VectorWorks LANDMARKNemetschek North America
VectorWorks MECHANICALNemetschek North America
VectorWorks RenderWorksNemetschek North America
VectorWorks SPOTLIGHTNemetschek North America

CD/DVD Authoring/Editing

EyeTVEl Gato Software
Iomega Hotburn SoftwareIomega Corporation

Communications - Email, Messaging, FTP, Fax

Essentials 1+2Linotype Library GmbH
FAXstf XSmith Micro Software
FontExplorerLinotype Library GmbH
IBM ViaVoice for Mac OS XIBM Consumer Voice Systems
ITC Full LibraryLinotype Library GmbH
Microsoft MSN Messenger for MacMicrosoft Corporation

Now Up-to-Date & ContactPower On Software
Six DegreesCreo

Data Management/CRM (Database, Datamining)

4th Dimension4D, Inc.
ACT! 2000 Training CDVirtual Training Company, Inc.
Asset Trustee™FileWave (USA), Inc.
FileMaker ProFilemaker, Inc.
FileMaker Pro TrainingMacAcademy
JobTrackerGLUON, Inc.
PrintTrackerGLUON, Inc.
SluggerGLUON, Inc.


Desktop Environment/Operating Systems/ Multipurpose Environments

Mac OS X 10.1: Visual QuickStart GuidePeachpit Press
Mac OS X TrainingMacAcademy
The Little iMac Book, Third EditionPeachpit Press
The Little Mac OS X BookPeachpit Press
ThinkFree OfficeThinkFree
Troubleshooting Mac OS XPeachpit Press

Desktop Publishing/Networking Publishing

CropsterGLUON, Inc.
Desktop Publishing Training CDVirtual Training Company, Inc.

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800.255.8800

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Product Categories

DocuSlim	GLUON, Inc.
PowerRIP 2000 LF	iProof Systems
PowerRIP 2000 (LITE)	iProof Systems
PowerRIP 2000 (PRO)	iProof Systems
ProScale	GLUON, Inc.
QC	GLUON, Inc.
SpecTackler	GLUON, Inc.
StampInStone™	Stone Design

Digital Video Production/Editing

Adobe Premiere Training CD	Virtual Training Company, Inc.
Asiva® Digital Video	Asiva®
cleaner	Discreet
combustion	Discreet
EyeTV	El Gato Software
Final Cut Pro Video Editing Systems	Tekserve
Pinnacle Cinewave Dealer	Tekserve
ShuttlePRO	Contour Design, Inc.

Ecommerce Tools and Applications

4D Business Kit	4D, Inc.
FontExplorer, Linotype	Linotype Library GmbH
WebDNA	Smith Micro Software

Educational: Corporate Training, Simulation

combustion	Discreet
Computer Training	MacAcademy

Educational: K-12, Higher Ed

Accordance	OakTree Software, Inc.
Accordance Bible Atlas	OakTree Software, Inc.
Accordance Bible Software Library 5	OakTree Software, Inc.
Accordance Jewish Collection	OakTree Software, Inc.
Accordance Scholar's Collection	OakTree Software, Inc.
Anchor Bible Dictionary	OakTree Software, Inc.
combustion	Discreet
Deep Space Explorer	Starry Night
eMedia Bass Method Vol. 1	eMedia Music
eMedia Blues Guitar Legends	eMedia Music
eMedia Guitar Method Vol. 1	eMedia Music
eMedia Guitar Songs	eMedia Music
eMedia Intermediate Guitar Method	eMedia Music
NIV Study Bible Complete Library	OakTree Software, Inc.
On Guard	Power On Software
SmartScore MIDI Edition	Musitek Corporation
SmartScore Pro Edition	Musitek Corporation
SmartScore Songbook Edition	Musitek Corporation
Starry Night Backyard	Starry Night
Starry Night Beginner	Starry Night
Starry Night Pro	Starry Night
ThinkFree Office	ThinkFree

Entertainment: Gaming/TV/Movies

Burning Monkey Solitaire	Freeverse
EyeTV	El Gato Software
Microsoft Windows Media Player for Mac	Microsoft Corporation
WingNuts	Freeverse
WipeOut 2097	Freeverse

Graphic Design, Illustration and Effects

Adobe Photoshop 7.0 Studio Techniques	Peachpit Press
Adobe Photoshop Elements One-Click Wow!	Peachpit Press
Adobe Photoshop Training CD	Virtual Training Company, Inc.
Amapi 3D	Eovia Corporation
Asiva® Photo	Asiva®
Carrara Studio	Eovia Corporation
combustion	Discreet
Computer Training	MacAcademy
Create®	Stone Design
designMaster	ImageDJ Corporation
Digital Hub Workspace	Bretford
Franklin Gothic	Linotype Library GmbH
IMAGE DICTIONARY	ImageDJ Corporation
imageBOX	ImageDJ Corporation
imagePRO	ImageDJ Corporation
InDesign 2 for Macintosh and Windows: Visual QuickStart Guide	Peachpit Press
KnockOut 2	procreate
KPT effects	procreate
Linotype Essentials 1+2	Linotype Library GmbH
Linotype Gold Edition	Linotype Library GmbH
Linotype ITC Full Library	Linotype Library GmbH
oXYgen Open	Creo
Painter 7	procreate
PowerfulTemplates	ImageDJ Corporation
Quark 5 Training CD	Virtual Training Company, Inc.
ShapeMaker	GLUON, Inc.
Stone Studio™	Stone Design
TableMaker	GLUON, Inc.
The Painter 7 Wow! Book	Peachpit Press
VFZoom 2.4	Celartem Technology USA Inc.

Groupware

Asset Trustee™	FileWave (USA), Inc.
Now Up-to-Date & Contact	Power On Software

Home: General Use & Recreation

Accordance	OakTree Software, Inc.
Accordance Bible Software Library 5	OakTree Software, Inc.
Accordance Jewish Collection	OakTree Software, Inc.
Bible Lands PhotoGuide	OakTree Software, Inc.
Deep Space Explorer	Starry Night
eMedia Bass Method Vol. 1	eMedia Music
eMedia Blues Guitar Legends	eMedia Music
eMedia Guitar Method Vol. 1	eMedia Music
eMedia Guitar Songs	eMedia Music
eMedia Intermediate Guitar Method	eMedia Music
EyeTV	El Gato Software
IBM ViaVoice for Mac OS X	IBM Consumer Voice Systems
NIV Study Bible Complete Library	OakTree Software, Inc.
SmartScore MIDI Edition	Musitek Corporation
SmartScore Pro Edition	Musitek Corporation
SmartScore Songbook Edition	Musitek Corporation
Starry Night Backyard	Starry Night
Starry Night Beginner	Starry Night
Starry Night Pro	Starry Night
ThinkFree Office	ThinkFree

Languages and Fonts

Accordance	OakTree Software, Inc.
Accordance Jewish Collection	OakTree Software, Inc.
Accordance Scholar's Collection	OakTree Software, Inc.

Multimedia Content Creation (Including Clip Art)

Amapi 3D	Eovia Corporation
Asiva® Photo	Asiva®
Carrara Studio	Eovia Corporation
EyeTV	El Gato Software
Final Cut Pro 3: Visual QuickPro Guide	Peachpit Press
Macromedia Dreamweaver Training CD	Virtual Training Company, Inc.
Macromedia Fireworks Training CD	Virtual Training Company, Inc.
Macromedia Flash MX Training CD	Virtual Training Company, Inc.
PStill™	Stone Design
SketchUp	SketchUp by @Last Software
The VR Worx	VR Toolbox, Inc.

Networking/Network Management/System Administration

FileMaker Unlimited	Filemaker, Inc.
FileWave™	FileWave (USA), Inc.
KeyAudit	Sassafras Software, Inc.
KeyServer	Sassafras Software, Inc.

Office Productivity/Suites

(Spreadsheets, Word Processing, Presentation)

Interoperability Testing Services	Testing Testing 123
Microsoft Office 2001	Virtual Training Company, Inc.
Microsoft Office v. X for Mac	Microsoft Corporation
MYOB AccountEdge	MYOB US, Inc.
MYOB FirstEdge	MYOB US, Inc.
Now Up-to-Date & Contact	Power On Software
Office X Training	MacAcademy
OmniGraffle	The Omni Group
OmniOutliner	The Omni Group
ThinkFree Office	ThinkFree

Plug-Ins

Acrobat® Plug-In 2.2®	Celartem Technology USA Inc.
Apple QuickTime Training CD	Virtual Training Company, Inc.
VFZ XTension 2.2 for QuarkXPress®	Celartem Technology USA Inc.
VFZoom Plug-in 2.2 for Photoshop®	Celartem Technology USA Inc.

Scientific & Engineering

JMP Software	JMP, A Business Unit of SAS
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Security

Iomega QuikSync Software	Iomega Corporation
On Guard	Power On Software

Server Software

4D WebSTAR	4D, Inc.
FileMaker Server	Filemaker, Inc.
ThinkFree Office	ThinkFree
Witango 5	Witango

Utilities

ACTION Files	Power On Software
ACTION GoMac	Power On Software
ACTION Menus	Power On Software
DiskExpress Pro	AlSoft, Inc.

DiskWarrior	AlSoft, Inc.
Drive 10	Micromat Inc.
IBM ViaVoice for Mac OS X	IBM Consumer Voice Systems
MacDrive 5	Mediafour
MacSQL	Runtime Labs, Inc.
MasterJuggler	AlSoft, Inc.
Now Up-to-Date & Contact	Power On Software
PlusMaker/PlusMaximizer	AlSoft, Inc.
PlusOptimizer	AlSoft, Inc.
Rewind	Power On Software
TechTool Pro	Micromat Inc.
Timbuktu Pro Remote Control Software	Netopia, Inc.

Vertical Industry Applications

VectorWorks ARCHITECT	Nemetschek North America
VectorWorks LANDMARK	Nemetschek North America
VectorWorks MECHANICAL	Nemetschek North America
VectorWorks SPOTLIGHT	Nemetschek North America

Wireless/Remote Applications

FileMaker Mobile	Filemaker, Inc.
ThinkFree Office	ThinkFree

Other Software

2D Graphics	Pixologic
3D Modeling	Pixologic
AfroCuban Percussion	BitHeadz, Inc.
Black & Whites	BitHeadz, Inc.
Computer Training	MacAcademy
EyeTV	El Gato Software
Harry Sharpe Guitars	BitHeadz, Inc.
IBM ViaVoice for Mac OS X	IBM Consumer Voice Systems
Multimedia Tools and Applications	Pixologic
Now Up-to-Date & Contact	Power On Software
OmniWeb	The Omni Group
Paint Systems	Pixologic
Phrazer Wizoo Underground Beatz Vol.1	BitHeadz, Inc.
Phrazer Wizoo Underground Beatz Vol.2	BitHeadz, Inc.
Pop Drums	BitHeadz, Inc.
Rendering and Modeling	Pixologic
Software Sales	Techknowsphere Inc.
Software Testing Services	Testing Testing 123
ThinkFree Office	ThinkFree
Unity Discrete Drums	BitHeadz, Inc.
VideoLink Pro	Smith Micro Software

INTERNET/WEB-BASED PRODUCTS & SERVICES

Server Software/Development Tools

MailStation Email Appliance	EarthLink, Inc.
ThinkFree Office	ThinkFree
Witango 5	Witango

Service Providers (ASP, ISP, Web Hosting, Etc.)

EarthLink Biz DSL	EarthLink, Inc.
EarthLink Dedicated IP Services	EarthLink, Inc.
EarthLink Dial-Up Internet Access	EarthLink, Inc.
EarthLink eCommerce Packages	EarthLink, Inc.
EarthLink High-Speed Internet Access	EarthLink, Inc.
EarthLink Satellite, powered by DIRECWAY™	EarthLink, Inc.



Product Categories

EarthLink Web Hosting	EarthLink, Inc.
EarthLink Wireless Services	EarthLink, Inc.
ThinkFree Office	ThinkFree

Storage

EarthLink Home Networking	EarthLink, Inc.
VFZ File Server	Celartem Technology USA Inc.

Streaming Media/Content Delivery

cleaner	Discreet
Testing Services	Testing Testing 123
VFZ Streaming License	Celartem Technology USA Inc.
VTC Online University	Virtual Training Company, Inc.

Traffic Management/Monitoring/Analysis

VFZ Protected Archives Distribution System (PADS) ..	Celartem Technology USA Inc.
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Web Application Development/Programming Language Tools

EarthLink Cable	EarthLink, Inc.
MacSQL	Runtime Labs, Inc.
Witango 5	Witango

Website Creation/Authoring

Adobe GoLive 6.0 Classroom in a Book	Peachpit Press
Amapi 3D	Eovia Corporation
Carrara Studio	Eovia Corporation
Create®	Stone Design
Macromedia Flash MX Action Scripting Training From The Source ..	Peachpit Press
Now Up-to-Date & Contact	Power On Software
PhotoToWeb®	Stone Design
SliceAndDice™	Stone Design
Stone Studio™	Stone Design
Testing Services	Testing Testing 123
The VR Worx	VR Toolbox, Inc.

Website Development Tools

Browser Compatibility Testing	Testing Testing 123
EarthLink DSL	EarthLink, Inc.
Web XPress	GLUON, Inc.
Witango 5	Witango
XPressImage	GLUON, Inc.

Other Internet/Web-Based Products and Services

BookSource.biz	Co-Media Marketing
CMMShop.com	Co-Media Marketing
Cumulus 5.5 - Enterprise Edition	Canto
eCare	Netopia, Inc.
Microsoft Internet Explorer	Microsoft Corporation
Website Testing	Testing Testing 123

MARKET SERVICES AND ACCESSORIES

Accessories & Ergonomics

AdjustaCart	Anthro Corporation
Bench	Anthro Corporation
Comfort Glide	Comfort Lab, Inc.
Comfort Point	Comfort Lab, Inc.
Compatibility Testing Services	Testing Testing 123
Console Cart	Anthro Corporation
Content Creation Station	Anthro Corporation
CoolMac Keyboard	CoolMacStuff.com

Cyber 3 TiBook Tote n' Tilt	CoolMacStuff.com
Deluxe iPod Case Essential	XtremeMac
Deluxe iPod Case Hip Tune	XtremeMac
Deluxe iPod Case Mobility	XtremeMac
Deluxe iPod cases	XtremeMac
Digital Hub Workspace	Bretford
EZ Squeeze Gelball	Comfort Lab, Inc.
Fit Office Workstations	Anthro Corporation
Fit Stations	Anthro Corporation
iCart II	Anthro Corporation
Impulse Light Pen	Comfort Lab, Inc.
Impulse Massage Pen	Comfort Lab, Inc.
Klear Screen / iKlear Apple Polish	Klear Screen & iKlear Apple Polish
Madsonline Generation Gap	CoolMacStuff.com
OTT-LITE® VisionSaver™	OTT-LITE Technology
Page Up Document Holder	Comfort Lab, Inc.
Premium iPod Car Charger	XtremeMac
Rhythm3000	Shockim
UL Approved Laptop Storage Cart	Anthro Corporation

Directories/Publications/Websites

Co-Media Marketing	Co-Media Marketing
FileMaker Solutions Alliance Directory and Resource Guide Vol.	
macHOME Magazine	macHOME Magazine
QuarkXPress Xtensions Directory	Co-Media Marketing
Testing Services	Testing Testing 123

Staffing/Employment/HR

Outsource Testing Services	Testing Testing 123
Permanent Jobs	HireKnowledge
Resume Searches	HireKnowledge
Temporary Jobs	HireKnowledge

VAR/System Integrator

Macintosh System Solutions	Tekserve
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Wholesaler/Retailer

10/100 Media Converters	KTI Networks
10/100/1000 Switches	KTI Networks
Digital Hub Workspace	Bretford
Pen Drive	KTI Networks
PowerBook G4	CoolMacStuff.com
Quick Pix Camera	Universal-Ink.net
Rhythm3000	Shockim
Universal ColorFast Inkjet Refill Kits	Universal-Ink.net
Universal Laser Toner and Copier Refill Kits	Universal-Ink.net
WipeOut CD Repair and Care Kits	Universal-Ink.net

Other Services and Accessories

Apprenticeship Programs for the Disabled	CyberCANdo
Computer Training	Techknowsphere Inc.
Data Recovery Service	DriveSavers Data Recovery
Free Digital Hub Workstation	Bretford
Klear Screen / iKlear Apple Polish	Klear Screen & iKlear Apple Polish
Macintosh, PowerBook service & repair	Tekserve
Outsource Testing Services	Testing Testing 123
Pocket Armor Aluminum PDA Case	Matias
Rhythm3000	Shockim
Translation and Localization Services	Lingo Systems

Javits Floor Plan

Level 4

- 25 The 4E Terrace Lounge
- 26 Cocktail Lounge (mezzanine)

Level 3

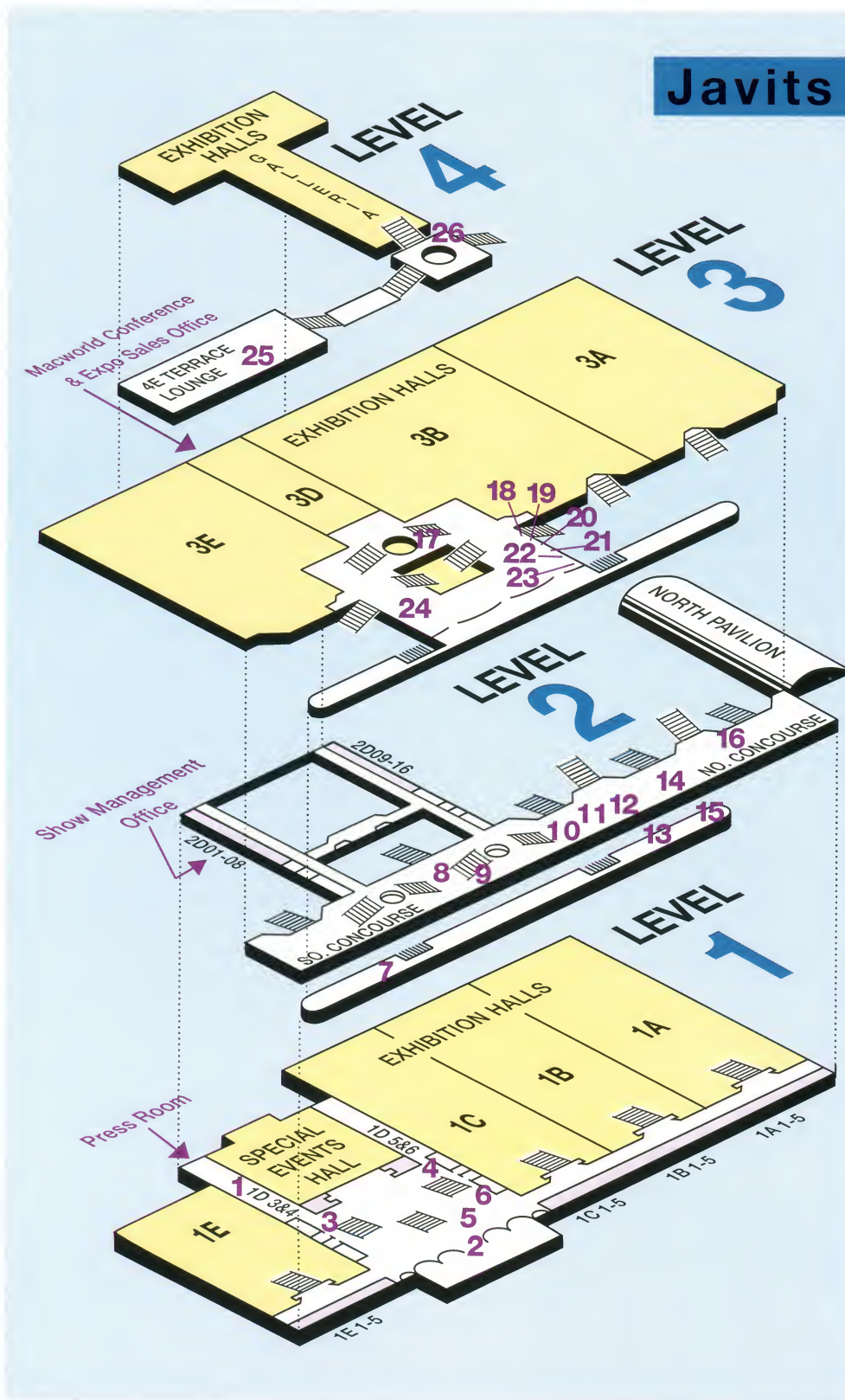
- 17 Panini Food Service, Tortilla Wraps/ Hot Soup/ Asian Food
- 18 Concierge Desk, Restaurant reservations, Information, MetroCards 800 Phones & Message Center, Carey Limousine Phone
- 19 Broadway Show Tickets
- 20 Travel Planners Inc. (Free 800 Travel Phone)
- 21 Chase ATM
- 22 Mail Boxes Etc.
- 23 Hudson News
- 24 PCS World @ The Javits Center (Wireless phone rentals)

Level 2

- 7 Public Buses, M34 & M42
- 8 CNNfm Kiosk
- 9 Shoeshine
- 10 Hudson News
- 11 Gourmet Coffee
- 12 Concierge Desk, Restaurant reservations, Information, MetroCards 800 Phones & Message Center, Carey Limousine Phone
- 13 Shuttle Buses
- 14 Mail Boxes Etc.
- 15 Taxi Stand
- 16 Concourse Express (vending)

Level 1

- 1 First Aid
- 2 Cafe /Food Court & Gourmet Coffee
- 3 Coatcheck
- 4 Coatcheck
- 5 JJ's Taproom
- 6 Chase ATM



Housing & Travel Services

IDG World Expo has secured special Macworld Conference & Expo hotel rates in New York for this year's show. Attendees can make their reservations using any of the following convenient methods.

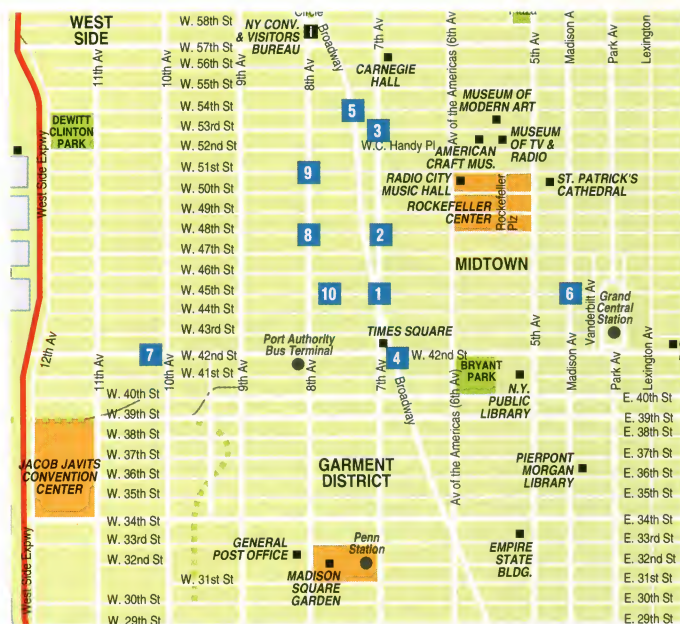
1. Call your hotel of choice direct at the telephone number listed under that hotel.
2. Book your hotel directly online at the address listed under your selected hotel (where applicable)

Airline, Rail and Other Travel Arrangements:

Contact IDG Travel at 800.743.4432 or by email at idgtravel@idg.com

Hotel Reservation Instructions:

You must mention that you are registering for Macworld Conference & Expo when making all reservations. A credit card deposit of one night's stay and tax is required at the time of booking for all hotels. Hotel accommodations are based upon availability and are valid until July 13, 2002, at which time they are subject to change. Hotel rates are not inclusive of any applicable tax. Room rates include a rebate to IDG World Expo to offset shuttle busing and other production costs.



Marriott Marquis (Alumni Headquarters)

1535 Broadway
800.843.4898
www.marriott-hotels.com
Group code: MWDMWDA
\$198 single/double per night

Sheraton New York Hotel & Towers (Alumni Co-Headquarters)

811 7th Ave. (53rd & 7th)
800.223.6550
\$195 single/double per night

W New York Times Square

1567 Broadway
212.930.7400
\$209 single/double per night

The Time

224 West 49 Street
212.246.5252
www.thetimeny.com
\$195 per night

Renaissance Hotel

Two Times Square (7th & 48th)
212.765.7676
\$198 single/double per night

Roosevelt Hotel

Madison Avenue at 45th
888.833.3969
\$139 single/double per night

Milford Plaza

270 W. 45th Street
800.221.2690
\$119 single/double per night

Days Hotel

790 8th Avenue (48th St.)
212.581.7000
\$129 single/per night
\$149 single/per night

Howard Johnson

851 8th Avenue (51st St.)
212.581.4100
\$129 single/per night
\$149 single/per night

Hilton New York

1335 Avenue of the Americas
800.HILTONS (800.445.8667)
\$199 single/double per night

Metropolitan Hotel

Official "Your Mac Life" Hotel
www.yourmaclife.com
569 Lexington Avenue (51st)
212.752.7000
\$135 single/double per night
mention: yml code

SHUTTLE BUS SERVICE

Limited shuttle bus service will be available to designated hotels from July 15th – 19th. Schedules and pick up locations will also be posted in the hotel lobby and at the Macworld Conference & Expo Show Information Counter located in the North Concourse of the Jacob K. Javits Center.

Date	Times	Service
Monday, July 15th	3:00 pm – 7:00 pm	Javits Center to Hotels
Tuesday, July 16th	3:00 pm – 7:00 pm	Javits Center to Hotels
Wednesday, July 17th	7:30 am – 11:00 am 3:00 pm – 7:00 pm	Hotels to Javits Center Javits Center to Hotels
Thursday, July 18th	7:30 am – 11:00 am 3:00 pm – 7:00 pm	Hotels to Javits Center Javits Center to Hotels
Friday, July 19th	7:30 am – 11:00 am 2:30 pm – 6:30 pm	Hotels to Javits Center Javits Center to Hotels

Macworld Conference & Expo 2002 - New York

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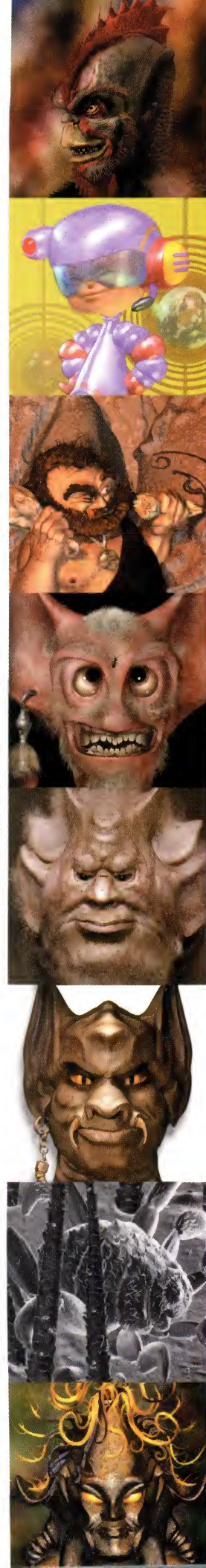


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